JMMMDC Master Index Vols. 151–170 (August 1997)

ISSN 0304-8853

journal of magnetism and magnetic materials

MASTER INDEX
VOLUMES 151–170
Dec. 1995–June 1997

Editor:
A.J. FREEMAN

Associate Editors:
G. BATE
J.G. BOOTH
I.A. CAMPBELL
R.W. CHANTRELL
H. FUJIMORI
V.I. OZHOGIN

Recognized by the European Physical Society

NORTH-HOLLAND
http://www.elsevier.nl

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS

Editor: A.J. Freeman
Dept. of Physics and Astronomy, Northwestern University, Evanston, IL 60208-3112, USA

Associate Editors

G. Bate*, Dept. of Electronic Engng. and Computer Science, University of Santa Clara, Santa Clara, CA 95053, USA
J.G. Booth, Physics Department, Joule Laboratory, Salford University, Salford M5 4WT, UK
I.A. Campbell, Laboratoire de Physique des Solides, Université Paris-Sud, Bâtiment 510, 91405 Orsay Cedex, France
R.W. Chantrell*, Computational Magnetism Group, SEECS, University of Wales, Dean Street, Bangor, LL57 1UT, UK
H. Fujimori, Institute for Materials Research, Tohoku University, Katahira 2-1-1, Sendai 980, Japan
V.I. Ozhogin, Kurchatov Inst. of Atomic Energy, Kurchatov Square 2, 123182 Moscow, Russian Federation

Advisory Editors

The complete mailing addresses are printed in the beginning of each volume

B. Antonini, Coppito
A. Arrott, Burnaby
S.D. Bader, Argonne, IL
J.I. Budnick, Storrs, CT
K.H.J. Buschow, Amsterdam
J.N. Chapman, Glasgow
J.M.D. Coey, Dublin
C.E.T.G. da Silva, Campinas
D.M. Edwards, London
E. Fawcett, Toronto
J.J.M. Franse, Amsterdam
F.J. Friedlaender, Lafayette, IN
K.A. Gschneidner Jr., Ames, IA
N. Imamura*, Ayase-Shi
G.M. Kalvius, Garching
T. Kasuya, Sendai
J.S. Kouvel, Chicago, IL
H. Kronmüller, Stuttgart
M.H. Kryder*, Pittsburgh, PA
J.C. Lodder*, Enschede
F.E. Luborsky, Schenectady, NY
S.B. Luitjens, Eindhoven
S. Methfessel, Bochum-Querenburg
S. Miyaoka*, Tokyo
E. Müller-Hartmann, Cologne
Y. Nakamura*, Sendai
V.I. Petinov, Chernogolovka
F.E. Pinkerton, Warren, MI
J.L. Porteseil, Grenoble
G. Prinz, Washington, DC
F.C. Pu, Beijing
J.J. Rhyne, Columbia, MO
I.K. Schuller, La Jolla, CA
J.C. Slonczewski, Yorktown Heights, NY
H. Szymczak, Warsaw
R.J. Veitch*, Ludwigshafen
H. Völz*, Berlin
S.V. Vonsovski, Ekaterinburg
W.E. Wallace, Pittsburgh

* Editor section *Information Storage: Basic and Applied.*

Aims and Scope

The *Journal of Magnetism and Magnetic Materials* provides an important forum for the disclosure and discussion of original contributions covering the whole spectrum of topics, from basic magnetism to the technology and applications of magnetic materials and magnetic recording. The journal encourages greater interaction between the basic and applied subdisciplines of magnetism, with short but comprehensive review articles, a rapid publication channel with *Letters to the Editors*, and a section *Information Storage: Basic and Applied* on all topics in magnetic and magneto-optic recording media and processes – in addition to full-length contributions.

Abstracted/indexed in:

Current Contents: Physical, Chemical and Earth Sciences; EI Compendex Plus; Engineering Index; INSPEC; Metals Abstracts

Subscription Information 1997

Volumes 163–176 of the *Journal of Magnetism and Magnetic Materials* (ISSN 0304-8853) are scheduled for publication. (Frequency: semimonthly, except monthly in January; total 23 issues.)
Prices are available from the publishers upon request. Subscriptions are accepted on a prepaid basis only. Issues are sent by SAL (Surface Air Lifted) mail wherever this service is available. Airmail rates are available upon request. Please address all enquiries regarding orders and subscriptions to:

Elsevier Science B.V.
Customer Support Department
P.O. Box 211, 1000 AE Amsterdam
The Netherlands
Tel. + 31 20 4853757, Fax: + 31 20 4853432

Claims for issues not received should be made within six months of our publications (mailing) date.

US Mailing notice – The *Journal of Magnetism and Magnetic Materials* (ISSN 0304-3885) is published semimonthly, except monthly in January (total 23 issues) by Elsevier Science B.V., Molenwerf 1, P.O. Box 211, 1000 AE Amsterdam, The Netherlands. Annual subscription price in the USA is US$ 5237 (valid in North, Central and South America only), including air speed delivery. Second class postage paid at Jamaica, NY 11431.
USA Postmasters: Send changes to Journal of Magnetism and Magnetic Materials, Publications Expediting, Inc., 200 Meacham Avenue, Elmont, NY 11003. Airfreight and mailing in the USA by Publications Expediting.

⊗ The paper used in this publication meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper).

Journal cover design of Jonathan Eric Freeman (d)

Printed in The Netherlands

North-Holland, an imprint of Elsevier Science

journal of
magnetism
and
magnetic
materials

journal of magnetism and magnetic materials

Recognized by the European Physical Society

EDITOR:

A.J. FREEMAN
Department of Physics and Astronomy
Northwestern University
EVANSTON, IL 60208-3112, USA

Master Index
Volumes 151–170
December 1995–June 1997

ELSEVIER

© 1997 Elsevier Science B.V. All rights reserved.

This journal and the individual contributions contained in it are protected by the copyright of Elsevier Science B.V., and the following terms and conditions apply to their use:

Photocopying

Single photocopies of single articles may be made for personal use as allowed by national copyright laws. Permission of the Publisher and payment of a fee is required for all other photocopying, including multiple or systematic copying, copying for advertising or promotional purposes, resale, and all forms of document delivery. Special rates are available for educational institutions that wish to make photocopies for non-profit educational classroom use.

In the USA, users may clear permissions and make payment through the Copyright Clearance Center Inc., 222 Rosewood Drive, Danvers, MA 01923, USA. In the UK, users may clear permissions and make payment through the Copyright Licensing Agency Rapid Clearance Service (CLARCS), 90 Tottenham Court Road, London W1P 0LP, UK. In other countries where a local copyright clearance centre exists, please contact it for information on required permissions and payments.

Derivative works

Subscribers may reproduce tables of contents or prepare lists of articles including abstracts for internal circulation within their institutions. Permission of the Publisher is required for resale or distribution outside the institution.
Permission of the Publisher is required for all other derivative works, including compilations and translations.

Electronic storage

Permission of the Publisher is required to store electronically any material contained in this journal, including any article or part of an article. Contact the Publisher at the address indicated.

Except as outlined above, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the Publisher.

No responsibility is assumed by the Publisher for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein. Although all advertising material is expected to conform to ethical (medical) standards, inclusion in this publication does not constitute a guarantee or endorsement of the quality or value of such product or of the claims made of it by its manufacturer.

Published monthly

Printed in The Netherlands

⊗ The paper used in this publication meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper).

ELSEVIER

Journal of Magnetism and Magnetic Materials (1997) v–vii

Journal of magnetism and magnetic materials

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS

Editorial Board (*: Editor section Information Storage: Basic and Applied)

Editor

A.J. FREEMAN
Department of Physics and Astronomy, Northwestern University, Evanston, IL 60208-3112, USA
Tel.: + 1-847-491-3343
Fax.: + 1-847-491-5082
Email: art@freeman.phys.nwu.edu

Associate Editors

G. BATE*
Department of Electronic Engineering and Computer Science, Santa Clara University, Santa Clara, CA 95053, USA
Tel.: + 1-408-554-4482
Fax.: + 1-408-554-5474

J.G. BOOTH
Physics Department, Joule Laboratory, University of Salford, Salford M5 4WT, UK
Tel.: + 44-161-745-5259
Fax.: + 44-161-745-5903
Email: j.g.booth@physics.salford.ac.uk

I.A. CAMPBELL
Laboratoire de Physique des Solides, Université de Paris-Sud, Bâtiment 510, 91405 Orsay Cedex, France
Tel.: + 33-1-6915-5326
Fax.: + 33-1-6915-8017
Email: campbell@lps.u-psud.fr

R.W. CHANTRELL*
Computational Magentism Group, SEECS, University of Wales – Bangor, Dean Street, Bangor, LL57 1UT, UK
Tel.: + 44-1248-382806
Fax.: + 44-1248-361429
Email: r.w.chantrell@sees.bangor.ac.uk

H. FUJIMORI
Institute for Materials Research, Tohoku University, Katahira 2-1-1, Sendai 980, Japan
Tel.: + 81-22-227-6200
Fax.: + 81-22-215-2095
Email: fujimori@magmate.imr.tohoku.ac.jp

V.I. OZHOGIN
Kurchatov Institute of Atomic Energy, Kurchatov Square 2, 123182 Moscow, Russian Federation
Tel.: + 7-095-196-1711
Fax.: + 7-095-196-1632
Telex: 411594 SHUGA SU
Email: ovi@ozhogin.kiae.su

Issue Manager

J.M. HOGENDORP
North-Holland (Elsevier Science B.V.), P.O. Box 2759, 1000 CT Amsterdam, The Netherlands
Tel.: + 31-20-4852507
Fax.: + 31-20-4852319
Email: j.hogendorp@elsevier.nl

Advisory Editors

B. ANTONINI
Dipartimento di Fisica, Università di L'Aquila, I-67010 Coppito, Italy

A. ARROTT
Simon Fraser University, Physics Department, Burnaby, BC, Canada V5A 1S6

S.D. BADER
Materials Science Division, Argonne National Laboratory, Argonne, IL 60439, USA

J.I. BUDNICK
Department of Physics, University of Connecticut, Storrs, CT 06268, USA

K.H.J. BUSCHOW
Natuurkundig Laboratorium der Universiteit van Amsterdam, Valckenierstraat 65, 1018 XE Amsterdam, The Netherlands

J.N. CHAPMAN*
Department of Physics and Astronomy, Glasgow University, Glasgow G12 8QQ, Scotland

J.D.M. COEY
Department of Pure and Applied Physics, Trinity College, University of Dublin, Dublin 2, Ireland

C.E.T.G. da SILVA
Lab. Nacional de Liz Sincroton, C.P. 6192, 13081 Campinas SP, Brazil

D.M. EDWARDS
Department of Mathematics, Imperial College of Science and Technology, Huxley Building, 180 Queen's Gate, London SW7 2BZ, UK

E. FAWCETT
Physics Department, University of Toronto, Toronto, Canada M5S 1A7

J.J.M. FRANSE
Natuurkundig Laboratorium der Universiteit van Amsterdam, Valckenierstraat 65, 1018 XE Amsterdam, The Netherlands

F.J. FRIEDLAENDER
Purdue University, School of Electrical Engineering, Electrical Engineering Building, West Lafayette, IN 47907, USA

K.A. GSCHNEIDNER, Jr.
Ames Laboratory, US Department of Energy, Iowa State University, Ames, IA 50011, USA

N. IMAMURA*
Tosoh Corporation, Advanced Materials Research Laboratories, 2743-1, Hayakawa, Ayase-Shi 252, Japan

G.M. KALVIUS
Physik Department E15, Fakultät für Physik der Technischen Universität München, James-Franck-Strasse, W-8046 Garching bei München, Germany

T. KASUYA
Department of Physics, Faculty of Science, Tohoku University, Sendai 980, Japan

J.S. KOUVEL
Department of Physics, University of Illinois at Chicago, Box 4348/M/C273, Chicago, IL 60680, USA

H. KRONMÜLLER
Institut für Physik, Max-Planck-Institut für Metallforschung, Postfach 800665, D-70506 Stuttgart, Germany

M.H. KRYDER*
Data Storage Center, Carnegie Mellon University, Pittsburgh, PA 15213-3890, USA

J.C. LODDER*
Electrical Engineering, Transducers and Materials Science, University of Twente, P.O. Box 217, 7500 AE Enschede, The Netherlands

F.E. LUBORSKY
Research & Development, General Electric Co., 123M, K-1, Schenectady, NY 12301, USA

S.B. LUITJENS*
Philips Research Laboratories, Magnetic Recording Department, P.O. Box 80000, 5600 JA Eindhoven, The Netherlands

S. METHFESSEL
Ruhr-Universität Bochum, Fakultät für Physik and Astronomie, Institut für Experimentalphysik IV, Postfach 102148, W-4630 Bochum 1, Germany

S. MIYAOKA*
Corporate Research Laboratories, Sony Corporation, 6-7-35, Kitashinagawa, Shinagawa-ku, Tokyo 141, Japan

E. MÜLLER-HARTMANN
Institut für Theoretische Physik, Universität zu Köln, Zülpicher Strasse 77, W-5000 Cologne 41, Germany

Y. NAKAMURA*
Research Institute of Electrical Communication, 2-1-1 Katahira, Aoba-ku, Sendai 980, Japan

V.I. PETINOV
Institute of Chemical Physics, Russian Academy of Sciences, 142432 Moscow Region, Chernogolovka, Russian Federation

F.E. PINKERTON
Physics Department, General Motors Research and Development Center, 30500 Mound Road, Box 9055, Warren, MI 48090-9055, USA

J.L. PORTESEIL
Centre National de la Recherche Scientifique, Laboratoire de Magnétisme Louis Néel, 25, avenue des Martyrs, BP 166, 38042 Grenoble cedex 9, France

G. PRINZ
Naval Research Laboratories, Condensed Matter & Science Division, Code 4600, Washington, DC 20375-5000, USA

F.C. PU
Institute of Physics, Academia Sinica, Beijing, P.R. China

J.J. RHYNE
Missouri University Research Reactor, University of Missouri, Columbia, MO 65211, USA

I.K. SCHULLER
Thin Film Laboratory, Department of Physics, University of California – San Diego, La Jolla, CA 92093-0319, USA

J.C. SLONCZEWSKI
Thomas Watson Research Center, P.O. Box 218, Yorktown Heights, NY 10598, USA

H. SZYMCZAK
Institute of Physics, Polish Academy of Sciences, al. Lotników 32/46, 02-668 Warsaw, Poland

R. VEITCH*
VIT/EWP, J542, BASF AG, D-67056 Ludwigshafen, Germany

H. VÖLZ*
Zentralinstitut für Kybernetik und Informationsprozesse, Rudower Chaussee 5/6, D-12489 Berlin, Germany

S.V. VONSOVSKI
Institute of Metal Physics, Ural Science Research Center of the Russian Academy of Sciences, 18 South Kovalevskaya str., K-66 Ekaterinburg, Russian Federation

W.E. WALLACE
Materials Science and Engineering Department, Carnegie Mellon University, Pittsburgh, PA 15213, USA

ELSEVIER

Journal of Magnetism and Magnetic Materials 151–170 (1997) 1

Journal of magnetism and magnetic materials

List of Proceedings and Special Issues published in this period

Volume 151, No. 3 (December 1995): Special Issue on Spin Polarized Electron Transport (Selected papers from the International Workshop, 19–22 February 1995, Miami, Florida)

Volume 155, Nos. 1–3 (March II 1996): Proceedings of the sixth International Conference on Magnetic Recording Media (16–19 July 1995, Oxford, UK)

Volume 156, Nos. 1–3 (April II 1996): Proceedings of the Second International Symposium on Metallic Multilayers (11–14 September 1995, Cambridge, UK)

Volume 157/158 (May II 1996): Proceedings of EMMA '95, the sixth European Magnetic Materials and Applications Conference (4–8 September 1995, Vienna, Austria)

Volume 160, Nos. 1–3 (July I 1996): Proceedings of SMM12, the twelfth International Conference on Soft Magnetic Materials (12–14 September 1995, Cracow, Poland)

Volume 165, Nos. 1–3 (January 1997): Selected papers from E-MRS Spring Meeting 1996 — Symposium E: Magnetic Ultrathin Films, Multilayers and Surfaces (4–7 June 1996, Strasbourg, France)

0304-8853/97/$17.00 © 1997 Elsevier Science B.V. All rights reserved

ELSEVIER

Journal of Magnetism and Magnetic Materials 151–170 (1997) 3–93

Journal of magnetism and magnetic materials

Author index to volumes 151–170

Aarts, J., see S. Freisem **165**: 380
Abd-Elmeguid, M.M., see C.L. Yang **151**: L19
Abe, M., see H. Haiji **160**: 109
Abell, J.S., see L. Ruiz de Angulo **157/8**: 508
Abelmann, L., see A.H.J. Immink **155**: 279
Abu-Aljarayesh, I., see J. Shobaki **159**: 367
Abu-Aljarayesh, I., see H. El-Ghanem **169**: 130
Abu-Safia, H., see N.A. Yusuf **166**: 374
Acher, O., P. Baclet, G. Perrin, O. Roblin, P.L. Gourriérec, Investigation of the microwave permeability of ferromagnetic film laminations under a magnetic field **157/8**: 480
Acher, O., see G. Suran **157/8**: 223
Acher, O., see G. Perrin **157/8**: 289
Achilleos, C.A., see I.M. Kyprianidis **161**: 203
Adachi, Y., see S. Ohta **164**: 225
Aderholz, M., see J.C. Oliveira de Jesus **151**: 259
Adhikari, T., S. Basu, Carrier-induced ferromagnetic ordering in $Ga_{1-x}Mn_xSb$, a new III–Mn–V semimagnetic semiconductor **161**: 282
Adroja, D.T., B.D. Rainford, A.J. Neville, P. Mandal, A.G.M. Jansen, A comparative study of suppression of the energy gap with La substitution in the Kondo insulators: CeNiSn and CeRhSb **161**: 157
Afonso, C.N., see T. Missana **156**: 281
Aguiló, M., see R. Solé **159**: L39
Ahlers, H., J. Lüdke, J. Sievert, Coercivity meter with earth's magnetic field compensation **160**: 187
Ahlers, H., see J. Sievert **160**: 115
Ahmad, I., H.A. Davies, R.A. Buckley, The effect of Nd content on the structure and properties of melt spun Nd-rich NdFeB alloys **157/8**: 31
Ahmed, F.M., A. Ataie, A.J. Williams, I.R. Harris, Effect of niobium on the HDDR behaviour of near-stoichiometric NdFeB alloys **157/8**: 59
Ahmed, M.A., M.A. El Hiti, M.K. El Nimr, M.A. Amer, The ac electrical conductivity for Co-substituted SbNi ferrites **152**: 391
Aikawa, T., see H. Fukunaga **157/8**: 105
Ainane, A., M. Saber, Susceptibilities in the spin-S Ising model **162**: 230
Aindow, M., see K. O'Donnell **157/8**: 79
Ajan, A., see R. Krishnan **163**: 353
Akimoto, R., see M. Ishizuka **166**: 211
Akinaga, H., see H. Takeshita **165**: 38
Akinaga, H., see W. Van Roy **165**: 149
Aktaş, B., see M. Özdemir **164**: 53
Aktas, B., see Y. Öner **170**: 129
Aktsipetrov, O.A., V.A. Aleshkevich, A.V. Melnikov, T.V. Misuryaev, T.V. Murzina, V.V. Randoshkin, Magnetic field induced effects in optical second harmonic generation from iron–garnet films **165**: 421
Al-Omari, I.A., S.S. Jaswal, E.W. Singleton, D.J. Sellmyer, Y. Zheng, G.C. Hadjipanayis, Mössbauer study of permanent-magnet materials: $Sm_2Fe_{17-x}Ga_xC_y$ compounds **151**: 145
Alameda, J.M., F. Carmona, F.H. Salas, L.M. Alvarez-Prado, R. Morales, G.T. Pérez, Effects of the initial stages of film growth on the magnetic anisotropy of obliquely-deposited cobalt thin films **154**: 249
Albertini, F., A. Deriu, D. Negri, A. Paoluzi, L. Pareti, M. Monciardini, G. Calestani, O. Moze, R. Sonntag, Magnetic and Mössbauer study of $(Fe_{1-x}Co_x)_{3.34}Ge_2$ **157/8**: 655
Albertini, F., see M. Solzi **157/8**: 85
Albertini, F., see L. Pareti **157/8**: 87
Albrecht, M., J. Pohl, E.U. Malang, J. Köhler, H. Wider, E. Bucher, Magnetic properties of Fe/bct Mn superlattices grown by molecular beam epitaxy **170**: 67
Alcalá, E.M., C. Aroca, E. López, M.C. Sánchez, P. Sánchez, A pressure and distance sensor based on magnetic circuits **157/8**: 436
Alcalá, E.M., see J. Dufour **157/8**: 125
Aleshkevich, V.A., see O.A. Aktsipetrov **165**: 421
Alexandru, D., see I. Ardelean **157/8**: 239
Alfonso, C., see O. Thomas **156**: 31
Algarabel, P.A., A. del Moral, R. Krewenka, J.A. Solera, R. Grössinger, Magnetostriction of the $SmCo_5$ hexagonal intermetallic **157/8**: 521
Algarabel, P.A., see L. Morellon **153**: 17
Algarabel, P.A., see Z. Arnold **157/8**: 81
Algarabel, P.A., see L. Pareti **157/8**: 87

Algarabel, P.A., see L.C.C.M. Nagamine **157/8**: 111
Algarabel, P.A., see J. Kamarád **157/8**: 381
Ali, N., see V.Yu. Galkin **159**: L23
Aliaga-Guerra, D., S. Gama, A.P. Guimarães, ^{57}Fe NMR study of nitrided Ce_2Fe_{17} **157/8**: 186
Alimoussa, A., see S. Pizzini **166**: 38
Allen, W., J.F. Gregg, K. Ounadjela, M. Viret, M. Hehn, S.M. Thompson, J.M.D. Coey, The ferromagnetic domain wall as a GMR trilayer **165**: 121
Allenspach, R., see H.C. Siegmann **151**: L8
Allia, P., F. Ghigo, M. Knobel, P. Tiberto, F. Vinai, Grain size distribution in granular $Cu_{100-x}Co_x$ through anhysteretic magnetisation curve analysis **157/8**: 319
Allia, P., see R.H. Yu **164**: 99
Almeida, B.G., J.B. Sousa, J. Colino, Y. Schuller, R. Schad, V.V. Moshchalkov, Y. Bruynseraede, s–d Electron scattering as a sensitive probe to study Fe/Cr multilayer structural differences (MBE/sputtered samples) **156**: 399
Almeida, B.G., J.B. Sousa, R. Schad, V.V. Moshchalkov, Y. Bruynseraede, Phonon-assisted sd electron scattering in Fe/Cr multilayers **157/8**: 730
Almeida, B.G., see M.M.P. de Azevedo **156**: 357
Almeida, B., see S. Li **165**: 363
Almeida, M., see M. Godinho **157/8**: 690
Almeida, M., see A.P. Gonçalves **157/8**: 692
Almeida, M., see P. Estrela **167**: L185
Alonso, J., see T. Hopfinger **164**: L7
Altbir, D., see P. Vargas **167**: 161
Altounian, Z., see Er. Girt **163**: L251
Altounian, Z., see X. Chen **167**: 80
Alvarez-Prado, L.M., see J.M. Alameda **154**: 249
Alves, F., see A. Houzali **160**: 291
Amado, M.M., R.P. Pinto, M.E. Braga, J.B. Sousa, P. Morin, Transport and magnetic properties of GdAg **153**: 107
Amado, M.M., see R.P. Pinto **157/8**: 698
Amano, E., see P. Quintana **160**: 245
Amaral, V.S., see M.M.P. de Azevedo **156**: 357
Amaral, V.S., see M.M.P. de Azevedo **157/8**: 276
Amaral, V.S., see J.-E. Wegrowe **161**: 133
Amaro, A., see A.P. Gonçalves **157/8**: 692
Amaya, K., see M. Ishizuka **166**: 211
Amer, M.A., see M.A. Ahmed **152**: 391
Anagnostou, M., see C. Christides **159**: 142
Anane, A., C. Dupas, K. Le Dang, J.-P. Renard, P. Veillet, A.M. de Leon Guevara, F. Millot, L. Pinsard, A. Revcolevschi, A.G.M. Jansen, Conductivity and magnetoresistance of $La_{1-x}Sr_xMnO_3$ and $La_{1-x}Sr_xMn_{1-y}Mg_yO_3$ single crystals **165**: 377
Anane, A., see J. Caulet **165**: 349
Anayi, F.J., see A. Basak **160**: 197
Anderton, J.P., see D.R. Franklin **159**: L51
Ando, K., see H. Takeshita **165**: 38
Ando, T., E. Ohta, T. Sato, Contribution of Pt impurities to spin configurations in the reentrant spin glass NiMn **163**: 277
Ando, T., see M. Özdemir **164**: 53
Ando, Y., H. Koizumi, T. Miyazaki, Exchange coupling energy determined by ferromagnetic resonance in 80Ni–Fe/Cu multilayer films **166**: 75
Ando, Y., see H. Koizumi **164**: 293
Andrä, W., see R. Mattheis **154**: 24
André, G., see F. Bodénan **164**: 233
Andreev, A.V., L. Havela, V. Sechovský, M.I. Bartashevich, T. Goto, K. Kamishima, 5f Band metamagnetism in UCoAl Effects of alloying and pressure **169**: 229
Andreev, A.V., see T.D. Cuong **157/8**: 694
Andreev, A.V., see P. Javorský **166**: 133
Andreica, D., see M. Coldea **157/8**: 627
Andrés, J.P., see J.M. Riveiro **156**: 243
Andrieu, S., H.M. Fischer, A. Traverse, M. Piecuch, EXAFS and multiple scattering theory as powerful tools to determine complex structures: application to Mn films grown on Ir **165**: 185
Andrieu, S., M. Finazzi, F. Yubero, H. Fischer, P. Arcade, F. Chevrier, K. Hricovini, G. Krill, M. Piecuch, 1 ML Mn/Fe(001): Is Mn coupling with Fe antiferromagnetic or ferromagnetic? **165**: 191
Andrieu, S., see A. Barbara **156**: 111
Andrieu, S., see Ph. Bauer **165**: 220
Angelakeris, M., P. Poulopoulos, O. Valassiades, J. Stoemenos, O. Kalogirou, D. Niarchos, N.K. Flevaris, Structural and giant magnetoresistance characterization of Ag–Co multilayers **165**: 334
Anghelache, R., see N. Rezlescu **157/8**: 673
Anisimov, A.N., see M. Farle **165**: 74
Ansermet, J.-Ph., see B. Voegeli **151**: 388
Ansermet, J.-Ph., see C. Beeli **164**: 77
Ansermet, J.-Ph., see A. Blondel **165**: 34
Antonov, I., J.M. Mucha, L. Vatskitchev, M. Vatskitcheva, Two-domain model of magnetization in thin discs with uniaxial magnetic anisotropy **151**: 178
Antonov, I., L. Vatskitchev, M. Vatskitcheva, Planar Hall effect in thin magnetic films with domain structure **169**: 25
Antonov, I., see L. Vatskitchev **170**: 317
Aoki, H., see G. Kido **157/8**: 550
Aoki, H., see K. Matsubara **160**: 185
Aoki, Y., K. Honda, H. Sato, Y. Kobayashi, S. Hashimoto, T. Yokoyama, T. Hanyu, The extraordinary Hall effect of Pd/Co multilayers **162**: 1
Aoki, Y., see H. Sato **152**: 109
Aoki, Y., see H. Sato **156**: 247
Aoki, Y., see Y. Kobayashi **156**: 362
Aoyagi, Y., see H. Yamazaki **156**: 135

Aoyama, H., see Y.J. Song **154**: 37
Appino, C., see C. Beatrice **160**: 302
Arabski, J., see M. Hehn **165**: 520
Aragoneses, P., J.M. Blanco, L. Dominguez, J. González, K. Kulakowski, Influences of the helical anisotropy on the bistable behaviour of amorphous wires **168**: 177
Aragoneses, P., see K. Kulakowski **162**: 355
Aragoneses, P., see O.A. Chubykalo **169**: 169
Arakelian, V.H., L.A. Bagdassarian, S.G. Simonian, Electrodynamics of bulk and surface normal magnon-polaritons in antiferromagnetic crystals **167**: 149
Arcade, P., see S. Andrieu **165**: 191
Arcas, J., see C. Gómez-Polo **160**: 194
Arciszewska, M., see P. Łazarczyk **169**: 151
Ardelean, I., O. Cozar, V. Simon, S. Filip, Magnetic properties of $xCr_2O_3 \cdot (1-x)[Bi_2O_3 \cdot PbO]$ glasses **157/8**: 165
Ardelean, I., M. Peteanu, S. Filip, D. Alexandru, The valence states and magnetic interactions between manganese ions in TeO_2–PbO–B_2O_3 glasses **157/8**: 239
Ariake, J., N. Honda, T. Keitoku, K. Ouchi, S.-i. Iwasaki, Nb addition to Co–Cr media for perpendicular magnetic recording **155**: 228
Ariake, J., see N. Honda **155**: 154
Armand, C., see B. Raquet **156**: 197
Armand, C., see M.D. Ortega **165**: 487
Arnaudas, J.I., A. del Moral, M. Ciria, G.J. Tomka, C. de la Fuente, P.A.J. de Groot, R.C.C. Ward, M.R. Wells, Magnetoelastic study of Ho/Y and Ho/Lu metallic superlattices **156**: 421
Arnaudas, J.I., see C. de la Fuente **157/8**: 535
Arnaudas, J.I., see A. del Moral **157/8**: 539
Arnold, D.W., see A.A. Potanin **170**: 298
Arnold, Z., M.R. Ibarra, L. Morellon, P.A. Algarabel, J. Kamarád, The effect of pressure on the magnetic phase transitions in $Nd_2(FeTi)_{17}$ and $Nd(FeTi)_{12}$ compounds **157/8**: 81
Arnold, Z., see J. Kamarád **157/8**: 381
Arnold, Z., see T.D. Cuong **157/8**: 694
Arnold, Z., see K.V. Kamenev **167**: 254
Aroca, C., see M. Rodríguez-Franco **153**: 141
Aroca, C., see M. Rodríguez **157/8**: 177
Aroca, C., see C. Favieres **157/8**: 329
Aroca, C., see E.M. Alcalá **157/8**: 436
Aroca, C., see J.L. Prieto **157/8**: 449
Arons, R.R., see U. Rücker **156**: 269
Arons, R.R., see E. Brück **157/8**: 395
Arons, R.R., see P. Javorský **164**: 183
Arriola, H., see M.E. Mata-Zamora **161**: L6
Arriortua, M.I., see A. Goñi **164**: 251
Artz, H., see F. von Staa **157/8**: 23
Artz, H., see F. von Staa **157/8**: 25
Aruga-Katori, H., see N.V. Mushnikov **167**: 229
Arzhnikov, A., A. Bagrets, D. Bagrets, Allowance for the short-range atomic order in describing the magnetic properties of disordered metal–metalloid alloys **153**: 195
Asada, H., see K. Matsuyama **156**: 301
Asada, T., N. Hamada, T. Oguchi, K. Terakura, T. Hoshino, First principles calculation of c/a for first kind antiferromagnets **157/8**: 343
Asada, T., see T. Hoshino **157/8**: 717
Asano, H., see W. Perthold **157/8**: 649
Asano, K., S. Takatori, M. Memering, The magnetic switching volume of cobalt-modified iron oxides and its application to improved video properties **155**: 107
Asano, S., see M. Yamaguchi **168**: 161
Asano, Y., see H. Itoh **156**: 343
Ashraf, M.M., see C. Tattam **152**: L275
Ashraf, M.M., see C. Tattam **154**: 328
Asti, G., M. Solzi, Alternating field gradient susceptometer **157/8**: 559
Asti, G., see M. Solzi **157/8**: 85
Asti, G., see G. Turilli **157/8**: 371
Ataie, A., see F.M. Ahmed **157/8**: 59
Atalay, S., P.T. Squire, D. Atkinson, S.N. Hogsdon, Magnetoelastic properties of annealed $Co_{72.5}Si_{12.5}B_{15}$ amorphous wires **157/8**: 145
Atallah, K., see B. Baholo **157/8**: 444
Atherton, D.L., see Y. Yu **166**: 290
Atherton, D.L., see Y. Yu **169**: 199
Atherton, D.L., see T.W. Krause **169**: 207
Atkinson, D., P. Duhaj, Magnetoelastic behaviour of amorphous bimetallic ribbons **157/8**: 156
Atkinson, D., see V. Hašlar **153**: 63
Atkinson, D., see S. Atalay **157/8**: 145
Atkinson, R., M. O'Neill, Giant polar MO Kerr effect in high reflectance multilayer enhanced structures **155**: 361
Atkinson, R., P.M. Dodd, N.F. Kubrakov, A.K. Zvezdin, K.A. Zvezdin, Spin-dependent scattering and magneto-optical properties of GMR materials **156**: 169
Atkinson, R., S. Pahirathan, I.W. Salter, P.J. Grundy, C.J. Tatnall, J.C. Lodder, Q. Meng, Fundamental optical and magneto-optical constants of Co/Pt and CoNi/Pt multilayered films **162**: 131
Atkinson, R., see P. Papakonstantinou **152**: 401
Atkinson, R., see R. Gerber **157/8**: 295
Atkinson, R., see P. Papakonstantinou **163**: 378
Attenborough, K., see W. Schwarzacher **165**: 23
Attili, R.N., see A.W. Carbonari **163**: 313
Audisio, S., see S. Crottier-Combe **160**: 151
Audisio, S., see S. Crottier-Combe **161**: 292
Auffret, S., see S. Bouat **165**: 338
Auric, P., see F. Richomme **156**: 181
Außerlechner, U., P. Kasperkovitz, W. Steiner, Distribution of magnetization in granular samples **157/8**: 579

Ausloos, M., see A. Rassili **163**: 153
Ausloos, M., see A. Rassili **170**: 241
Avashia, A., see D.K. Wagh **153**: 359
Ayres de Campos, J., J.M. Gil, P.J. Mendes, L.P. Ferreira, I.C. Ferreira, N. Ayres de Campos, P. Estrela, M. Godinho, M. Bououdina, A. Collomb, D. Fruchart, J.-L. Soubeyroux, S. Takele, J. Pelloth, R.A. Brand, Magnetic phase transitions in $RFe_{9.5}Mo_{2.5}$ intermetallics studied by ^{57}Fe Mössbauer spectroscopy, magnetisation and μ^+SR **164**: 305
Ayres de Campos, N., see J. Ayres de Campos **164**: 305
Ayuyan, A.G., see A.S. Lileev **157/8**: 373
Azanza, M.J., A. del Moral, Isolated neuron amplitude spike decrease under static magnetic fields **157/8**: 593

Ba, Q., J. Zhi, G. Zeng, G. Liu, Effect of heat treatment on the magnetic aftereffect in Fe-based amorphous alloys **163**: 327
Ba, Q.-x., J. Zhi, Study of the magnetic aftereffect in amorphous FeSiBCu alloys **154**: 245
Babcock, K., see L. Folks **159**: 109
Baberschke, K., see M. Farle **165**: 74
Baberschke, K., see P. Poulopoulos **170**: 57
Babić, E., see S. Sabolek **168**: 154
Babinsky, M., see E. Majkova **156**: 415
Baclet, P., see O. Acher **157/8**: 480
Bacmann, M., see E. Tomey **157/8**: 113
Bacmann, M., see E. Tomey **157/8**: 115
Bacmann, M., see J. Tobola **157/8**: 708
Badawi, K., see O. Thomas **156**: 31
Bader, S.D., D. Li, Magneto-optical and photoemission studies of ultrathin wedges **156**: 153
Bădescu, R., E. Luca, V. Bădescu, N. Rezlescu, On ultrasound propagation in magnetic liquids with aggregates **170**: 235
Badescu, V., V. Murariu, O. Rotariu, N. Rezlescu, A new modeling of the initial buildup evolution on a wire in an axial HGMF filter **163**: 225
Bădescu, V., see R. Bădescu **170**: 235
Badurek, G., see J.P. Sinnecker **157/8**: 183
Badurek, G., see G. Lientschnig **157/8**: 525
Badurek, G., see M. Hochhold **157/8**: 575
Baek, J.-S., see S.-C. Yu **155**: 225
Bagdassarian, L.A., see V.H. Arakelian **167**: 149
Baggio-Saitovitch, E.M., see M. El Massalami **153**: 97
Baggio-Saitovitch, E., see C.A. Samudio **167**: 109
Bagrets, A., see A. Arzhnikov **153**: 195
Bagrets, D., see A. Arzhnikov **153**: 195
Bahadur, D., see M.V. Rane **153**: L1
Bahlmann, N., R. Gerhardt, H. Dötsch, Optical investigation of domain resonances in magnetic garnet films **161**: 22
Baholo, B., K. Atallah, P.H. Mellor, D. Howe, M.A. Mueller, T.J. Flack, S. Williamson, Effect of high frequency flux ripple on iron loss in induction machines **157/8**: 444

Bajorek, A., see D. Rodic **152**: 159
Bakas, T., see A. Moukarika **163**: 109
Baker, A.M., A. Cerezo, A.K. Petford-Long, Interfacial diffusion studies in Co–Pd layered films **156**: 83
Bakonyi, I., E. Tóth-Kádár, T. Becsei, J. Tóth, T. Tarnóczi, Á. Cziráki, I. Geröcs, G. Nabiyouni, W. Schwarzacher, Giant magnetoresistance in self-supporting electrodeposited Ni–Cu/Cu multilayers **156**: 347
Balbás, L.C., see A. Vega **165**: 265
Balbashov, A.M., see A.A. Mukhin **157/8**: 496
Baldha, G.J., see R.G. Kulkarni **159**: 375
Ball, A.R., see A. van der Graaf **165**: 479
Ballou, R., see E. Burzo **157/8**: 631
Balogh, J., see L.F. Kiss **160**: 229
Baltag, O., D. Costandache, C. Cotae, Behaviour of some nonlinear devices with ferrofluids **157/8**: 591
Bán, G., F. Janosi, Measuring system and evaluation method of DC and AC magnetostriction behaviour to investigate 3.2 SiFe GO electrical steels **160**: 167
Bandaranayake, R.J., J.Y. Lin, H.X. Jiang, C.M. Sorensen, Synthesis and properties of $Cd_{1-x}Mn_xS$ diluted magnetic semiconductor ultrafine particles **169**: 289
Bangert, D.E., H.P. Hughes, The optical response of magnetic gratings **156**: 189
Bansmann, J., see M. Getzlaff **161**: 70
Barak, J., see I. Laulicht **154**: L291
Barak, J., see I. Laulicht **162**: 121
Barallier, L., see O. Thomas **156**: 31
Baran, M., H. Szymczak, R. Szymczak, S.N. Barilo, V.I. Gatalskaya, S.V. Shiryaev, Scaling behavior of magnetization in $Ba_{1-x}K_xBiO_3$ single crystals **166**: 124
Baran, M., see H. Lassri **153**: 5
Baran, M., see R. Szymczak **157/8**: 667
Baran, M., see R. Szymczak **157/8**: 706
Baran, M., see A.R. Harutyunyan **162**: 338
Baran, S., J. Leciejewicz, N. Stüsser, A. Szytuła, A. Zygmunt, Y. Ding, Neutron diffraction study of magnetic ordering in RAgSn (R = Ce, Pr, Nd, Gd, Tb, Dy, Ho, Er) compounds **170**: 143
Barandiarán, J.M., see P. Gorria **157/8**: 203
Barandiarán, J.M., see J. Gutiérrez **157/8**: 543
Barandiarán, J.M., see L. Fernández Barquín **160**: 297
Baranov, N.V., P.E. Markin, S.V. Zemlyanski, H. Michor, G. Hilscher, Giant magnetoresistance in antiferromagnetically ordered FeRh and Mn_2Sb based alloys **157/8**: 401
Baranov, N.V., V.I. Pushkarski, A.E. Sviderski, H. Sassik, Magnetic properties of liquid quenched R_3Co alloys **157/8**: 635
Barariu, F., see H. Chiriac **157/8**: 229
Barariu, F., see H. Chiriac **160**: 237
Barariu, F., see H. Chiriac **160**: 239
Barash, V.Y., see Y.S. Didosyan **151**: 207

Barbara, A., J.M. Tonnerre, M.C. Saint-Lager, D. Raoux, S. Andrieu, M. Piecuch, E. Elkaïm, J.P. Lauriat, Structural investigation of metallic superlattices using X-ray anomalous scattering **156**: 111
Barbara, B., Novel magnetic structures and nanostructures **156**: 123
Barbara, B., see W. Wernsdorfer **151**: 38
Barbara, B., see J.-E. Wegrowe **161**: 133
Barbara, B., see S. Mangin **165**: 13
Barbara, B., see V. Dupuis **165**: 42
Barbara, B., see S. Mangin **165**: 161
Barberis, G.E., see J.M. Rojo **157/8**: 493
Barberis, G.E., see A. Goñi **164**: 251
Bardou, N., B. Bartenlian, F. Rousseaux, D. Decanini, F. Carcenac, E. Cambril, M.F. Ravet, C. Chappert, P. Veillet, P. Beauvillain, R. Mégy, W. Geerts, J. Ferré, Elaboration and magneto-optical study of submicron magnetic structures in Au/Co/Au ultrathin films **156**: 139
Baricco, M., see B. Viala **160**: 315
Barilo, S.N., see O. Nikolov **152**: 75
Barilo, S.N., see M. Baran **166**: 124
Barinov, V.A., see E.P. Yelsukov **166**: 334
Barnard, J.A., see S. Gangopadhyay **161**: 43
Barnard, J.A., see F. Fettar **165**: 316
Barnaś, J., Indirect exchange coupling between magnetic planes **154**: 321
Barnaś, J., Y. Bruynseraede, Influence of the quantum size effect and interface roughness on the giant magnetoresistance in ultrathin magnetic layered structures **156**: 287
Barnaś, J., The influence of outer boundary conditions on the interlayer exchange coupling in magnetic sandwich structures **167**: 209
Barnas, J., see R. Schad **156**: 339
Barnas, J., see R. Schad **156**: 341
Barnaś, J., see G. Gladyszewski **156**: 381
Bärner, K., see R. von Helmolt **151**: 411
Baron, V., M. Neronin, H. Rundlöf, R. Tellgren, A neutron powder diffraction study of the crystal and magnetic structure of $Fe_{0.72}Mn_{1.28}As$ at 295 and 10 K **169**: 271
Barra, A.L., see P. Fleischhauer **159**: 166
Bartashevich, M.I., T. Goto, A.V. Korolyov, A.S. Ermolenko, Co metamagnetism and magnetic anisotropy in single-crystalline $Ce(Co_{1-x}Ni_x)_5$ **163**: 199
Bartashevich, M.I., see N.V. Mushnikov **167**: 229
Bartashevich, M.I., see A.V. Andreev **169**: 229
Bartenlian, B., see N. Bardou **156**: 139
Bartenlian, B., see A. Bounouh **156**: 233
Bartenlian, B., see J. Caulet **165**: 349
Bartenlian, B., see C. Train **165**: 417
Barthélémy, A., see J.L. Duvail **151**: 324
Barthelemy, A., see V. Dupuis **165**: 42
Barthélémy, A., see F. Fettar **165**: 316
Bartolomé, F., J. Bartolomé, J. Blasco, Magnetic order of Nd^{3+} in $NdAlO_3$ **157/8**: 491
Bartolomé, F., see R. Przeniosło **160**: 370
Bartolomé, F., see A. Déchelette-Barbara **165**: 87
Bartolomé, J., see C. Piqué **154**: 71
Bartolomé, J., see F. Luis **157/8**: 266
Bartolomé, J., see F. Bartolomé **157/8**: 491
Bartolomé, J., see R. Przeniosło **160**: 370
Basak, A., D.M. Rowe, F.J. Anayi, Thin film sensors for magnetic flux and loss measurements **160**: 197
Basak, A., A.J. Moses, M.R. Yasin, Flux distribution and loss in a 100 kVA 3-phase wound amorphous transformer core **160**: 210
Bass, J., see S.D. Steenwyk **170**: L1
Basso, V., G. Bertotti, P. Duhaj, E. Ferrara, V. Haslar, L. Kraus, J. Pokorny, K. Zaveta, Microstructural and magnetic investigation of partially crystallized amorphous ribbons **157/8**: 217
Basso, V., see P. Tiberto **160**: 271
Basu, S., see T. Adhikari **161**: 282
Basu, S., see S. Sil **169**: 343
Baszyński, J., B. Szymański, T. Toliński, Evidence of the oscillations in the interlayer coupling of Co sublayers across Co–Zr amorphous-like spacers, from M(H) curves **156**: 79
Baszyński, J., T. Toliński, Magnetic properties of ultra-thin iron films in Ag/Fe/Ag sandwiches **160**: 345
Baszyński, J., see A. Kowalczyk **152**: L279
Baszyński, J., see A. Szajek **157/8**: 723
Baszyński, J., see A. Kowalczyk **166**: 237
Batlle, X., M. García del Muro, A. Labarta, P. Görnert, Magnetic relaxation and superparamagnetism in nanocrystalline ferrites **157/8**: 191
Baudelet, F., see S. Pizzini **157/8**: 313
Baudelet, F., see C.M. Schneider **162**: 7
Baudelet, F., see S. Pizzini **166**: 38
Bauer, E., T. Duden, H. Pinkvos, H. Poppa, K. Wurm, LEEM studies of the microstructure and magnetic domain structure of ultrathin films **156**: 1
Bauer, E., see F.-W. Schaper **157/8**: 613
Bauer, E., see R. Hauser **157/8**: 679
Bauer, E., see M. Forsthuber **157/8**: 681
Bauer, E., see R. Spolenak **157/8**: 715
Bauer, E., see J.M. Martin **159**: 223
Bauer, G.E.W., K.M. Schep, P.J. Kelly, Mesoscopic aspects of the giant magnetoresistance **151**: 369
Bauer, G.E.W., see K.M. Schep **156**: 385
Bauer, G.E.W., see J.O. Fjærestad **156**: 387
Bauer, M., see S.O. Demokritov **165**: 496
Bauer, Ph., S. Andrieu, O.M. Lemine, M. Piecuch, Local magnetism of Fe in FeIr(100) superlattices studied by ^{57}Fe Mössbauer spectrometry **165**: 220
Bausk, N.V., see S.B. Erenburg **157/8**: 595
Baxter, D.V., G.U. Sumanasekera, J.P. Carini, Transport anisotropy and dimensional crossover in Ag/Ge multilayers **156**: 359

Bazhan, A.N., Three coordinate vibrating sample magnetometer **157/8**: 569
Beatrice, C., C. Appino, E. Ferrara, F. Fiorillo, Losses in transverse field annealed amorphous ribbons **160**: 302
Beatrice, C., see A. Magni **157/8**: 353
Beatrice, C., see P. Tiberto **160**: 271
Beaurepaire, E., see G. Garreau **156**: 81
Beaurepaire, E., see V. Pierron-Bohnes **165**: 176
Beaurepaire, E., see S. Hong **165**: 212
Beaurepaire, E., see M. Maret **166**: 45
Beauvillain, P., C. Chappert, K. Le Dang, R. Mégy, S. Ould Mahfoud, P. Veillet, Effect of substrates on the out-of-plane magnetic anisotropy in Au/Co/Au sandwiches **154**: 160
Beauvillain, P., see C. Train **156**: 87
Beauvillain, P., see N. Bardou **156**: 139
Beauvillain, P., see A. Bounouh **156**: 233
Beauvillain, P., see C. Train **165**: 417
Beauvillain, P., see A. Bounouh **165**: 484
Bebenin, N.G., Ferromagnetic resonance in a magnetic trilayer with biquadratic exchange and unidirectional anisotropy **161**: 65
Bebenin, N.G., A.V. Kobelev, A.P. Tankeyev, V.V. Ustinov, Magnetic resonance frequencies in multilayers with biquadratic exchange and non-collinear magnetic ordering **165**: 468
Bebenin, N.G., see V.V. Ustinov **156**: 227
Becker, Ch., J. Hafner, R. Lorenz, Local spin-density theory of spin-glasses **157/8**: 619
Becker, S., M. Kratzer, H. Rohrmann, K. Röll, Influence of nitrogen surplus in SiN cover-layers on MO media **155**: 376
Becsei, T., see I. Bakonyi **156**: 347
Bednarek, S., Magnetoelastic properties of a ferroelast within an organo-silicon polymer matrix **166**: 91
Beeli, C., B. Doudin, J.-Ph. Ansermet, P. Stadelmann, Study of Co, Ni and Co/Cu nanowires: magnetic flux imaging by off-axis electron holography **164**: 77
Beke, D.L., see L. Daróczi **156**: 417
Belayachi, A., see H. Lassri **163**: 339
Belayachi, A., see G.T. Bhandage **166**: 141
Belgrand, T., see J.-P. Swan **160**: 31
Beliën, P., see R. Schad **156**: 339
Beliën, P., see R. Schad **156**: 341
Beliën, P., see G. Gladyszewski **156**: 381
Beliën, P., see M.A.M. Gijs **165**: 360
Bellouard, C., B. George, G. Marchal, N. Maloufi, J. Eugène, Influence of the thickness of the CoFe layer on the negative spin-valve effect in CoFe/Ag/CoFeGd trilayers **165**: 312
Bellouard, Ch., see E. Majkova **156**: 415
Bellouard, C., see S. Mangin **165**: 161
Belozerov, E.V., see A.G. Kuchin **159**:L309
Belt, R.F., see R.E. Bornfreund **151**: 181
Ben Youssef, J., K. Bouziane, O. Koshkina, H. Le Gall, M. El Harfaoui, M. El Yamani, J.M. Desvignes, A. Fert, Correlation of GMR with texture and interfacial roughness in optimized rf sputtering deposited Co/Cu multilayers **165**: 288
Ben Youssef, J., see K. Bouziane **165**: 284
Benaissa, M., see H. Lefakis **154**: 17
Benayad, N., A. Dakhama, Phase diagrams of the mixed spin Ising ferromagnet with a ferrimagnetic surface **168**: 105
Bencok, P., see M. Finazzi **165**: 78
Benda, O., J. Bydžovský, Problems in modeling reversible processes in soft magnetic materials **160**: 87
Bender, H., see J. De Boeck **156**: 148
Benedict, U., see A.L. Cornelius **161**: 169
Benhamou, M., see B. El Houari **166**: 97
Benoit, A., see W. Wernsdorfer **151**: 38
Beránková, P., see M. Kučera **157/8**: 323
Beránková, P., see M. Kučera **157/8**: 700
Bérar, J.F., see A. Déchelette-Barbara **165**: 87
Bercoff, P.G., H.R. Bertorello, Exchange constants and transfer integrals of spinel ferrites **169**: 314
Berger, A., R.P. Erickson, Magnetic phase diagram of ultrathin Fe/Ag(100) films near the reorientation phase transition **165**: 70
Berger, A., E.E. Fullerton, Phase diagram of imperfect ferromagnetic/antiferromagnetic bilayers **165**: 471
Berger, L., Current-induced oscillations of a Bloch wall in magnetic thin films **162**: 155
Berger, R., J.-C. Bissey, J. Kliava, B. Soulard, Superparamagnetic resonance of ferric ions in devitrified borate glass **167**: 129
Bergmann, H.W., see V.E. Martín **157/8**: 51
Berkov, D.V., Numerical simulations of quasistatic remagnetization processes in fine magnetic particle systems **161**: 337
Berkov, D.V., see R. Mattheis **154**: 24
Berkowitz, A.E., see F.T. Parker **162**: 122
Bernardi, J., A. Hütten, G. Thomas, Electron microscopy of giant magnetoresistive granular Au–Co alloys **157/8**: 153
Bernards, J.P.C., D. Raasch, G. Much, C. Clausen, Magnetic properties of exchange coupled layers for magneto-optical recording **155**: 370
Bernards, J.P.C., see S.E. Stupp **155**: 300
Bernhoeft, N.R., see B. Fåk **154**: 339
Berrada, A., see H. Lassri **163**: 339
Bertorello, H.R., see P.G. Bercoff **169**: 314
Bertotti, G., see V. Basso **157/8**: 217
Bertotti, G., see A. Magni **157/8**: 353
Bertotti, G., see L. Pûst **157/8**: 355
Bertotti, G., see M. Lo Bue **160**: 51
Bertotti, G., see P. Tiberto **160**: 271
Bertotti, G., see G. Durin **160**: 299
Bertrand, D., see J. Mattsson **152**: 129
Bessière, M., see A. Michel **156**: 23

Bessiere, M., see R. Schad **156**: 339
Bessière, M., see A. Déchelette-Barbara **165**: 87
Betenkova, A., see I. Edelman **161**: 299
Betteridge, S., see M.P. Morales **155**: 129
Betz, J., see D. Givord **159**: 71
Beuerle, T., M. Fähnle, Pressure dependence of the magnetic moments and hyperfine fields in Gd_2Fe_{17}: An ab-initio calculation **159**: L318
Beuken, J.M., see L. Piraux **156**: 317
Beuken, J.M., see S. Dubois **165**: 30
Bhagat, N., see S.N. Kane **167**: 241
Bhandage, G.T., A. Belayachi, M. Noguès, G. Villers, J.L. Dormann, H.V. Keer, Magnetic properties of $Ni_xCd_{1-x}Mn_2O_4$ ($0.2 \leq x \leq 0.8$) **166**: 141
Bhattacharjee, A., S. Iijima, F. Mizutani, Magnetic susceptibility of some mixed-metal compounds $NBu_4Fe(II)[Fe(III)_xCr(III)_{1-x}(ox)_3]$ **153**: 235
Bhattacharya, D.K., S. Vaidyanathan, Effect of the demagnetisation factor on the Barkhausen noise signal **166**: 111
Bhattacharyya, D., see M. Pal **164**: 256
Bhushan, B., Macro- and microtribology of magnetic rigid-disk storage devices **155**: 318
Bi, D.Y., V.E. Zubov, A.D. Kudakov, A new method of measuring hysteresis loops on local areas of the surface of a ferromagnet **160**: 157
Bienenstock, A.I., see E. Snoeck **151**: 24
Bijker, M.D., see A.H.J. Immink **155**: 279
Bijker, M.D., see W.P. Van Drent **156**: 309
Bijl, D.B., see E.O. Samwel **155**: 292
Billas, I.M.L., A. Châtelain, W.A. de Heer, Magnetism of Fe, Co and Ni clusters in molecular beams **168**: 64
Binder, J., P. Zahn, I. Mertig, Inverse giant magnetoresistance in Fe/Cu/Co/Cu multilayers **165**: 100
Binesti, D., see A. Tanguy **157/8**: 37
Birkfeld, M., K.A. Hempel, An extended description of the behaviour of steel sheet under rotational flux conditions **160**: 17
Birkfeld, M., see J. Sievert **160**: 115
Birsan, M., J.A. Szpunar, The influence of texture on domain wall spacing in grain oriented materials **164**: 300
Birtwistle, K., see S. Casey **155**: 348
Bishop, J.E.L., see L. Hua **155**: 49
Bishop, J.E.L., see L. Hua **163**: 285
Bissell, P.R., see A.P. Warren **155**: 19
Bissell, P.R., see S.R. McConochie **155**: 89
Bissell, P.R., see P.M. Sollis **155**: 123
Bissell, P.R., see H. Suzuki **155**: 196
Bissell, P.R., see A.P. Warren **159**: 381
Bissey, J.-C., see R. Berger **167**: 129
Biswas, P., see S.Y. Lin **159**: 147
Bitoh, T., K. Ohba, M. Takamatsu, T. Shirane, S. Chikazawa, Comparative study of linear and nonlinear susceptibilities of fine-particle and spin-glass systems: quantitative analysis based on the superparamagnetic blocking model **154**: 59
Bitu, M., see M. Coldea **157/8**: 627
Blaha, P., see R. Spolenak **157/8**: 715
Blaise, A., see J.P. Sanchez **152**: 174
Blanco, J.A., see J. García Soldevilla **157/8**: 624
Blanco, J.A., see J.I. Espeso **157/8**: 685
Blanco, J.M., see P. Quintana **160**: 245
Blanco, J.M., see P. Aragoneses **168**: 177
Blanco, J.M., see O.A. Chubykalo **169**: 169
Bland, J.A.C., R.P. Cowburn, J. Ferré, J.S. Gray, R. Lopušník, M. Nývlt, V. Prosser, R. Urban, Š. Višňovský, Magneto-optical studies of ultrathin MBE grown Fe/Ag(001) wedges **156**: 177
Bland, J.A.C., J. Lee, S. Hope, G. Lauhoff, J. Penfold, D. Bucknall, Layer selective magnetometry in ultrathin magnetic structures by polarised neutron reflection **165**: 46
Bland, J.A.C., see A.J.R. Ives **154**: 301
Bland, J.A.C., see M. Patel **156**: 53
Bland, J.A.C., see A. Ercole **156**: 121
Bland, J.A.C., see M.E. Buckley **156**: 211
Bland, J.A.C., see T. Fujimoto **156**: 365
Bland, J.A.C., see M. Gester **165**: 242
Blasco, J., see F. Bartolomé **157/8**: 491
Blaskov, V., V. Petkov, V. Rusanov, Ll.M. Martinez, B. Martinez, J.S. Muñoz, M. Mikhov, Magnetic properties of nanophase $CoFe_2O_4$ particles **162**: 331
Blinowski, K., see D. Satuła **169**: 240
Bloemen, P.J.H., see P.A.A. van der Heijden **159**: L293
Bloemen, P.J.H., see J.M. Gaines **165**: 439
Blondel, A., B. Doudin, J.-Ph. Ansermet, Comparative study of the magnetoresistance of electrodeposited Co/Cu multilayered nanowires made by single and dual bath techniques **165**: 34
Blondel, A., see B. Voegeli **151**: 388
Blums, E., A. Mezulis, M. Maiorov, G. Kronkalns, Thermal diffusion of magnetic nanoparticles in ferrocolloids: Experiments on particle separation in vertical columns **169**: 220
Blythe, H.J., V.M. Fedosyuk, Thermoremanence and zero-field-cooled susceptibility measurements of electrodeposited granular CuCo alloys **155**: 352
Blythe, H.J., see J.M. Williams **155**: 355
Blythe, H.J., see V.M. Fedosyuk **156**: 77
Blythe, H.J., see V.M. Fedosyuk **156**: 345
Blythe, H.J., see T.J. Jackson **159**: 269
Boardman, A.D., see J.W. Boyle **156**: 33
Boardman, A.D., see J.A. Cowen **156**: 163
Boardman, A.D., see J.A. Cowen **165**: 383
Bobák, A., M. Jurčišin, Ferrimagnetism in diluted mixed-spin two-dimensional Ising models **163**: 292
Bobák, A., see M. Jaščur **161**: 148
Bobák, A., see M. Žukovič **170**: 49
Bobo, J.F., M.J. Casanove, L. Hennet, E. Snoeck, M. Piecuch, Structural and magnetic properties of Fe–Fe_2N sputtered multilayers **164**: 61

Bobo, J.F., see S. Pizzini **157/8**: 313
Bobo, J.F., see K. Postava **163**: 8
Bobo, J.-F., see S. Pizzini **166**: 38
Bodak, O.I., see J.J. Wysłocki **162**: 239
Bodart, F., see G. Gladyszewski **156**: 381
Bodénan, F., V.B. Cajipe, G. Ouvrard, G. André, Low-temperature magnetic structure of the olivine Mn_2SiSe_4 **164**: 233
Boeglin, Ch., see M. Finazzi **165**: 373
Boff, M.A.S., G.L.F. Fraga, D.E. Brandão, A.A. Gomes, Specific heat of $Ni_2(Nb_{1-x}T_x)Sn$, T = Ti, Ta, superconducting Heusler compounds **153**: 135
Boher, P., see M. Nývlt **156**: 175
Bohr, J., see N.P. Kolmakova **161**: 245
Bohr, J., see Yu.I. Spichkin **161**: 265
Bolmont, D., see P. Schieffer **165**: 180
Bolmont, D., see S. Hong **165**: 212
Bolnykh, I.K., see G.N. Sever **157/8**: 473
Bolshakov, G.V., A.J. Lapovok, A Preisach model for magnetoelastic hysteresis **162**: 112
Bolzoni, F., D.S. Schmool, A. Serraj, On the extension of the singular point detection technique towards very high pulsed fields **157/8**: 573
Bolzoni, F., see M. Solzi **157/8**: 85
Bombik, A., B. Leśniewska, J. Mayer, A. Oleś, A.W. Pacyna, J. Przewoźnik, Solid solutions $TbFe_{1-x}Al_xO_3$ $(0 \leq x \leq 1)$: Structure and magnetic behaviour **168**: 139
Bombik, A., see M.L. Paradowski **166**: 231
Bondarenko, G., see I. Edelman **161**: 299
Bonfait, G., see M. Godinho **157/8**: 690
Bonnet, M., see R. Troć **151**: 102
Bonnet, M., see C. Heid **151**: 123
Bonvalot, M., P. Courtois, P. Gillon, R. Tournier, Magnetic levitation stabilized by eddy currents **151**: 283
Bonville, P., J. Hammann, J.A. Hodges, P. Imbert, G. Jéhanno, Magnetic properties of Yb_2Ni_{17} from ^{170}Yb Mössbauer spectroscopy and magnetisation measurements **151**: 115
Boolchand, P., see S.Y. Lin **159**: 147
Booth, J.G., see J.W. Boyle **156**: 33
Booth, J.G., see J.A. Cowen **156**: 163
Booth, J.G., see J.A. Cowen **165**: 383
Booth, K.M., see J.W. Boyle **156**: 33
Booth, K.M., see J.A. Cowen **156**: 163
Booth, K.M., see J.A. Cowen **165**: 383
Booth, T., see A. Ilo **160**: 38
Booth, T., see C. Nussbaum **160**: 81
Booth, T., see B. Weiser **160**: 207
Bordel, C., J. Voiron, D. Givord, Magnetic properties of TbFeN amorphous thin films **169**: 350
Bordin, G., G. Buttino, A. Cecchetti, M. Cecchetti, M. Poppi, Influence of the structural instabilities on the anisotropy fields in Co-based amorphous alloys **153**: 285
Borghs, G., see J. De Boeck **156**: 148
Borisova, N.M., see L.P. Ol'khovik **154**: 365
Borkovskih, V.A., see V.V. Savin **157/8**: 49
Bornfreund, R.E., D.C. Khan, P.E. Wigen, M. Pardavi-Horvath, J.B. Ings, R.F. Belt, Effects of a magnetic field on spin reorientation in BiGa : TmIG films **151**: 181
Bornfreund, R.E., see Y.J. Song **154**: 37
Börnsen, N., M. Fähnle, Ab-initio calculation of local magnetic moments for the liquid ferromagnet $Co_{1-x}Pd_x$ **159**: L313
Borodin, V., see M. Savosta **157/8**: 523
Borrmann, H., see R. Pöttgen **152**: 196
Borstel, G., see G. Chełkowska **157/8**: 719
Borstel, G., see A. Ślebarski **159**: 179
Boscher, C., see G. Suran **157/8**: 223
Bottauscio, O., E. Carpaneto, M. Chiampi, M. Repetto, The Tinney algorithm and fixed point technique for rapid solution of magnetic nonlinear problems **160**: 94
Bottauscio, O., M. Chiampi, M. Repetto, A finite element solution for periodic eddy current problems in hysteretic media **160**: 96
Bottoni, G., Rotational hysteresis in particles for magnetic recording with different switching modes **155**: 16
Bottoni, G., D. Candolfo, A. Cecchetti, Temperature effects on time-dependent magnetic phenomena in recording media **155**: 52
Bottoni, G., D. Candolfo, A. Cecchetti, D. Palmeri, Co-based metallic glass as a precursor for hard magnetic material **155**: 113
Bottoni, G., D. Candolfo, A. Cecchetti, Effect of the coupling between Co and CoO in metal evaporated tapes **155**: 297
Bottoni, G., Time-dependent magnetic behaviour and magnetization switching of magnetic recording particles **157/8**: 270
Bouarab, S., see A. Noguera **156**: 21
Bouarab, S., see A. Vega **165**: 265
Bouat, S., S. Auffret, B. Rodmacq, Thermal stability of sputtered $Ni_{81}Fe_{19}$/Ag multilayers **165**: 338
Boucherle, J.X., see A. Vernière **153**: 55
Bouet, L., P. Tailhades, A. Rousset, Relations between magneto-optical properties and reactivity in cobalt–manganese ferrite thin films and powders **153**: 389
Bouet, L., P. Tailhades, A. Rousset, Co–Mn cation-deficient ferrite thin films: interesting ways to tailor their magneto-optical properties **155**: 373
Bouguila, L., see R. Kaczmarek **160**: 49
Boukari, S., see V. Pierron-Bohnes **165**: 176
Boukari, S., see S. Hong **165**: 212
Bounds, C.O., see W.C. Chang **167**: 65
Bounouh, A., B. Bartenlian, P. Beauvillain, C. Chappert, R. Megy, C. Train, P. Veillet, D. Weller, Co/V interface anisotropy and

interlayer exchange coupling in $(V/Co)_n/Au(111)$ stackings **156**: 233
Bounouh, A., C. Train, P. Beauvillain, P. Bruno, C. Chappert, R. Mégy, P. Veillet, Kerr rotation and perpendicular magnetic anisotropy oscillations versus Cu(111) coverage thickness in Cu(111)/Co/Au trilayers **165**: 484
Bououdina, M., see J. Ayres de Campos **164**: 305
Bourdarot, F., see B. Fåk **154**: 339
Bourée, F., see A. Szytuła **153**:L255
Bourée, F., see V.H. Tran **161**: 270
Bourée, F., see I.V. Golosovsky **169**: 123
Bourée, F., see I. Mirebeau **169**: 279
Bourée, F., see D. Laffargue **170**: 155
Boursier, D., B. Chenevier, C. Guichet, G. Rasigni, S. Labat, O. Thomas, Structural and magnetic properties of Ni/Cr multilayers **165**: 205
Boutrouille, Ph., see B. Fåk **154**: 339
Bouziane, K., J. Ben Youssef, M. El Harfaoui, O. Koshkina, H. Le Gall, J.M. Desvignes, M. El Yamani, A. Fert, Comparative study of giant magnetoresistance in CoZr/Cu and Co/Cu multilayers **165**: 284
Bouziane, K., see J. Ben Youssef **165**: 288
Bouzidi, L., see V. Pierron-Bohnes **165**: 176
Boyd, I.W., see W. Zhang **165**: 330
Boyle, J.W., J.G. Booth, J.A. Cowen, A.D. Boardman, K.M. Booth, R. Krishnan, Brillouin light scattering study of Ni/Pt multilayers **156**: 33
Boyle, J.W., see J.A. Cowen **156**: 163
Boyle, J.W., see J.A. Cowen **165**: 383
Bozukov, L., see J. Geshev **170**: 219
Brabers, J.H.V.J., C.H. de Groot, K.H.J. Buschow, F.R. de Boer, Susceptibility of $(Gd,La)Mn_2(Ge,Si)_2$ compounds in the magnetically ordered regime **157/8**: 639
Brabers, V.A.M., see Y. Kawai **157/8**: 537
Braga, M.E., see M.M. Amado **153**: 107
Braga, M.E., see R.P. Pinto **157/8**: 698
Brahma, P., see M. Pal **152**: 370
Brahma, P., see M. Pal **164**: 256
Bramwell, S.T., see B. Fåk **154**: 339
Brand, R.A., see J. Tappert **156**: 58
Brand, R.A., see F. Richomme **156**: 195
Brand, R.A., see J. Tappert **157/8**: 317
Brand, R.A., see J. Tappert **164**: 261
Brand, R.A., see J. Ayres de Campos **164**: 305
Brand, R.A., see T. Ruckert **165**: 411
Brandão, D.E., see M.A.S. Boff **153**: 135
Brandão, D.E., see C.M. da Silva **162**: 107
Brando, E., H. Vincent, J.L. Soubeyroux, P. Wolfers, Magnetic properties, X-ray and neutron diffraction analysis of new M-hexaferrites $BaFe_{12-2x}Ir_xMe_xO_{19}$ (Me = Co, Zn) **157/8**: 465
Bras, J., see A. Tanguy **157/8**: 37
Bras, J., see A. Tanguy **161**: 235
Brataas, A., see J.O. Fjærestad **156**: 387
Braun, J., see M. Getzlaff **161**: 70
Brekharya, G., see L. Sheiko **168**: 121
Bremers, H., see I.M. Kyprianidis **161**: 203
Bremers, H., see K.G. Efthimiadis **162**: 259
Brennan, S., X.-L. Rao, R. Skomski, N. Dempsey, J.M.D. Coey, Magnetic properties of $Sm_2Fe_{17}N_x$, $x = 3.9$ **157/8**: 510
Breskvar, B., see F. Vodopivec **152**: 213
Bresowar, J.L., see S.L. Burkett **168**:L233
Brewer, W.D., see T. Phalet **165**: 234
Briaire, J., see M.A.M. Gijs **165**: 360
Britel, M., see P. Rudkowski **160**: 313
Brockhoff, A., see S. Freisem **165**: 380
Brodt, G., see F. Weingart **155**: 77
Brommer, P.E., Magnetic phase diagrams for three coupled magnetic moments **157/8**: 349
Brommer, P.E., see C.V. Thang **157/8**: 643
Brommer, P.E., see C.V. Thang **157/8**: 645
Brouers, F., see A. Vedyayev **164**: 91
Brouers, F., see E. Gan'shina **165**: 346
Brouers, F., see A. Granovsky **166**: 193
Brown, J., see P. Javorský **166**: 133
Brück, E., R.R. Arons, K.H.J. Buschow, F.R. de Boer, Magnetic properties and structure of MnPtAl **157/8**: 395
Brück, E., see O. Moze **152**: 341
Brück, E., see C.V. Thang **157/8**: 643
Brückel, Th., see D. Satuła **169**: 240
Brun del Re, R., see J.C. Woolley **164**: 154
Bruno, P., Interlayer exchange coupling: the role of electron confinement in the overlayer due to the vacuum barrier **164**: 27
Bruno, P., J. Kudrnovský, V. Drchal, I. Turek, Interlayer exchange coupling through ordered and disordered alloy spacers **165**: 128
Bruno, P., see L. Szunyogh **165**: 254
Bruno, P., see A. Bounouh **165**: 484
Bruno, P., see Y. Suzuki **165**: 516
Bruynseraede, C., see J. De Boeck **156**: 148
Bruynseraede, Y., see K. Temst **156**: 109
Bruynseraede, Y., see J. Barnaś **156**: 287
Bruynseraede, Y., see H. Laidler **156**: 332
Bruynseraede, Y., see R. Schad **156**: 339
Bruynseraede, Y., see R. Schad **156**: 341
Bruynseraede, Y., see G. Gladyszewski **156**: 381
Bruynseraede, Y., see B.G. Almeida **156**: 399
Bruynseraede, Y., see B.G. Almeida **157/8**: 730
Brydson, R., see L. Coast-Smith **156**: 17
Bryn-Jacobsen, C., see J.P. Goff **156**: 263
Brzózka, K., M. Gawroński, K. Jezuita, Influence of chemical disorder on the critical behaviour of FeNi-based amorphous ferromagnets **157/8**: 167
Brzózka, K., A. Ślawska-Waniewska, K. Jezuita, Mössbauer studies of FeZrB(Cu) amorphous alloys **160**: 255
Bubendorff, J.L., J. Pflaum, E. Huebner, D. Raiser, J.P. Bucher, J. Pelzl, Correlation between

topographic and magnetic properties of electrochemically prepared nickel films **165**: 199
Bucher, E., see M. Albrecht **170**: 67
Bucher, J.-P., see M. Hehn **165**: 5
Bucher, J.P., see J.L. Bubendorff **165**: 199
Bucher, J.P., see M. Hehn **165**: 520
Bucher, P., see G. Zangari **157/8**: 256
Büchner, B., see R. Troć **151**: 102
Büchner, B., see U. Köbler **170**: 110
Buck, S., M. Fähnle, Rare-earth magnetic anisotropy: is the crystal field theory valid? **166**: 297
Buckley, M.E., S. Hope, F.O. Schumann, J.A.C. Bland, Variations in the magnetic properties of ultrathin Co films due to the adsorption of non-magnetic metal atoms at the Co/vacuum interface **156**: 211
Buckley, R.A., see I. Ahmad **157/8**: 31
Bucknall, D., see J.A.C. Bland **165**: 46
Budnick, J.I., see N.X. Shen **162**: 265
Bugoslavsky, Yu.V., V.A. Kovalsky, A.A. Minakov, H. Kojima, I. Tanaka, Orientation of the flux line lattice in anisotropic superconductors **157/8**: 671
Burkett, S.L., J.C. Lusth, J.L. Bresowar, M.R. Parker, Enhanced exchange pinning field for FeMn spin-valves **168**:L233
Burkhardt, C., F. Dimc, I.R. Harris, A new method for in-situ magnetisation measurements during hydrogenation of RE–Fe–B type materials **157/8**: 127
Burkhardt, C., M. Matzinger, M. Steinhorst, J. Fidler, I.R. Harris, HDDR processing of direct-reduced $Nd_{15}Fe_{77-x}B_8Ga_x$ powders **169**: 69
Burlet, P., see C. Heid **151**: 123
Burlet, P., see P. Javorský **159**: 324
Burlet, P., see P. Javorský **164**: 183
Burlet, P., see P. Javorský **166**: 133
Burriel, R., see C. Piqué **154**: 71
Burriel, R., see J.J. Melero **157/8**: 651
Buršík, J., Z. Šimša, L. Štichauer, R. Tesař, Magneto-optical properties of Co- and Ti-substituted hexagonal ferrite films prepared by the sol–gel method **157/8**: 311
Burzo, E., V. Pop, I. Costina, Spin fluctuations in the $YNi_{5-x}Cu_x$ system **157/8**: 615
Burzo, E., V. Pop, R. Ballou, Magnetic properties of $Y_3Co_{11-x}Ni_xB_4$ compounds **157/8**: 631
Burzo, E., see W. Kappel **157/8**: 35
Burzo, E., see M. Valeanu **157/8**: 383
Burzo, E., see R. Tetean **157/8**: 633
Burzo, E., see I. Lupsa **157/8**: 696
Buschow, K.H.J., see M. Loewenhaupt **152**: 10
Buschow, K.H.J., see O. Moze **152**: 341
Buschow, K.H.J., see P. Schobinger-Papamantellos **154**: 29
Buschow, K.H.J., see L.D. Tung **154**: 96
Buschow, K.H.J., see Cz. Kapusta **157/8**: 109
Buschow, K.H.J., see D.P. Middleton **157/8**: 385
Buschow, K.H.J., see E. Brück **157/8**: 395
Buschow, K.H.J., see N. Tang **157/8**: 397
Buschow, K.H.J., see Q.A. Li **157/8**: 399
Buschow, K.H.J., see C. Marquina **157/8**: 403
Buschow, K.H.J., see F.R. de Boer **157/8**: 504
Buschow, K.H.J., see J.H.V.J. Brabers **157/8**: 639
Buschow, K.H.J., see C.H. de Groot **157/8**: 641
Buschow, K.H.J., see S.R. Mishra **162**: 167
Buschow, K.H.J., see P. Rösch **164**: 175
Buschow, K.H.J., see P. Schobinger-Papamantellos **169**: 253
Butler, W.H., X.-G. Zhang, D.M.C. Nicholson, J.M. MacLaren, Spin-dependent scattering and giant magnetoresistance **151**: 354
Buttino, G., M. Poppi, Dependence on the temperature of magnetic anisotropies in Fe-based alloys of Finemet **170**: 211
Buttino, G., see G. Bordin **153**: 285
Büttner, O., see S.O. Demokritov **165**: 496
Butvin, P., G. Vlasák, B. Butvinová, P. Švec, Magnetic polarization and magnetostriction in nearly saturated FeNbCuSiB alloys **157/8**: 189
Butvinová, B., see P. Butvin **157/8**: 189
Bydžovský, J., see O. Benda **160**: 87

Caciuffo, R., see J. Mira **164**: 241
Cadeville, M.C., see A. Michel **156**: 25
Cadeville, M.C., see V. Pierron-Bohnes **165**: 176
Cadeville, M.C., see M. Maret **166**: 45
Cadogan, J.M., see D.H. Ryan **162**: 55
Cagan, V., see A. Lisfi **157/8**: 258
Cagan, V., see I. Nedkov **159**: 331
Cahill, D.G., see K. Theis-Bröhl **166**: 27
Caignaert, V., E. Suard, A. Maignan, Ch. Simon, B. Raveau, Neutron diffraction evidence for an antiferromagnetic ordering in the CMR manganites $Pr_{0.7}Ca_{0.3-x}Sr_xMnO_3$ **153**:L260
Caignaert, V., $Sr_2Mn_2O_5$ magnetic structure **166**: 117
Caignaert, V., see A. Maignan **152**: L5
Cain, J.L., S.R. Harrison, J.A. Nikles, D.E. Nikles, Preparation of α-Fe particles by reduction of ferrous ion in lecithin/cyclohexane/water association colloids **155**: 67
Cajipe, V.B., see F. Bodénan **164**: 233
Calestani, G., see F. Albertini **157/8**: 655
Callegaro, L., E. Puppin, P.L. Cavallotti, G. Zangari, Electroplated, high H_c CoPt films: δM magneto-optical measurements **155**: 190
Callegaro, L., see P. Vavassori **157/8**: 171
Callegaro, L., see G. Zangari **157/8**: 256
Calleja, J.F., M.C. Contreras, M. Rivas, J.A. Corrales, G. Suran, H. Ouahmane, The role of local anisotropy in the origin of in-plane uniaxial anisotropy in amorphous CoZrNd thin films **152**: 17
Calleja, J.F., see M. Rivas **166**: 53
Camarero, J., see W. Kuch **170**: L13
Cambril, E., see N. Bardou **156**: 139

Camps, J., see T. Phalet **165**: 234
Candolfo, D., see G. Bottoni **155**: 52
Candolfo, D., see G. Bottoni **155**: 113
Candolfo, D., see G. Bottoni **155**: 297
Canepa, M., see M. Salvietti **165**: 230
Cao, J.Z., see Z.Q. Wu **160**: 79
Cao, L., A. Handstein, L. Schultz, K.-H. Müller, Microstructural and magnetic properties of $Sm_2Fe_{15}Ga_2C_2$ permanent magnets **157/8**: 95
Carbonari, A.W., R.N. Saxena, W. Pendl, Jr., J. Mestnik Filho, R.N. Attili, M. Olzon-Dionysio, S.D. de Souza, Magnetic hyperfine field in the Heusler alloys Co_2YZ (Y = V, Nb, Ta, Cr; Z = Al, Ga) **163**: 313
Carbone, C., E. Vescovo, R. Kläsges, D.D. Sarma, W. Eberhardt, Magnetic quantum size effects in Cu films on Co(100) **156**: 259
Carcenac, F., see N. Bardou **156**: 139
Carcenac, F., see C. Miramond **165**: 500
Carcia, P.F., D. Coulman, R.S. McLean, M. Reilly, Magnetic and structural properties of nanophase Pt/Co multilayers **164**: 411
Cardoso, S., see S. Li **165**: 363
Carini, J.P., see D.V. Baxter **156**: 359
Carlotti, G., G. Gubbiotti, L. Pareti, G. Socino, G. Turilli, Elastic and magnetic properties of Co/Cu multilayers studied by Brillouin spectroscopy **165**: 424
Carmona, F., see J.M. Alameda **154**: 249
Carpaneto, E., see O. Bottauscio **160**: 94
Carrière, B., see G. Garreau **156**: 81
Carrizo, J., see M. Tejedor **157/8**: 179
Carrizo, J., see M. Tejedor **160**: 309
Casanove, M.J., see J.F. Bobo **164**: 61
Casanove, M.J., see S. Pizzini **166**: 38
Casey, S., E. Hill, J. Miles, P. Sivasamy, K. Birtwistle, B. Middleton, J. Chapman, J. Rose, A study of PtCo films used for longitudinal recording **155**: 348
Castañer, R., see C. Prieto **161**: 31
Castro, J., see S.J. Robinson **156**: 133
Castro, S., M. Gayoso, J. Rivas, J.M. Greneche, J. Mira, C. Rodríguez, Structural and magnetic properties of barium hexaferrite nanostructured particles prepared by the combustion method **152**: 61
Catinaud, T., see R. Krishnan **159**: 175
Caulet, J., B. Bartenlian, V. Kottler, C. Chappert, A. Anane, P. Veillet, Magnetotransport in microstripes patterned in ultrathin cobalt films **165**: 349
Cavallotti, P.L., see L. Callegaro **155**: 190
Cavallotti, P.L., see G. Zangari **157/8**: 256
Cavellec, M., D. Riou, J.-M. Grenèche, G. Férey, Hydrothermal synthesis, structure and magnetic properties of $[Fe_3(PO_4)_3F_2, H_3N–(CH_2)_4–NH_3]$: the analog of the three-dimensional gallophosphate structure-type ULM-3 **163**: 173
Cavellec, M., G. Férey, J.M. Greneche, Magnetic properties of synthetic spheniscidite **167**: 57
Cecchetti, A., see G. Bordin **153**: 285
Cecchetti, A., see G. Bottoni **155**: 52
Cecchetti, A., see G. Bottoni **155**: 113
Cecchetti, A., see G. Bottoni **155**: 297
Cecchetti, M., see G. Bordin **153**: 285
Celinski, Z., K.B. Urquhart, B. Heinrich, Using ferromagnetic resonance to measure the magnetic moments of ultrathin films **166**: 6
Celinski, Z., see C.M. Schneider **162**: 7
Celotta, R.J., see A. Davies **165**: 82
Cercelaru, S., A.-M. Nguyen, P. Hesto, G. Tremblay, J.-C. Perron, A comparative study of the magnetic properties of thin permalloy films **160**: 338
Cerezo, A., see A.M. Baker **156**: 83
Čerňanský, M., see R. Gerber **157/8**: 295
Cernicchiaro, G., see W. Wernsdorfer **151**: 38
Chaboy, J., J. Garcia, A. Marcelli, The effect of hydrogen absorption on the structural, electronic and magnetic properties of the C15 Friauf–Laves phase compounds $CeFe_2$, $CeRu_2$ and $LaRu_2$: an X-ray absorption spectroscopy study **166**: 149
Chaddha, G.S., S.M. Zheng, On a spin-1 anisotropic XY ferromagnet with biquadratic exchange **152**: 152
Chadjivasiliou, S.C., see K.G. Efthimiadis **162**: 259
Chakarian, V., Y.U. Idzerda, H.J. Lin, C.J. Gutierrez, G.A. Prinz, G. Meigs, C.T. Chen, Element-specific vector magnetometry of buried layers **156**: 265
Chakarian, V., Y.U. Idzerda, C.-C. Kao, C.T. Chen, Circular polarized soft X-ray resonant magnetic scattering studies of FeCo/Mn/FeCo multilayers **165**: 52
Chakarian, V., see A. Déchelette-Barbara **165**: 87
Chakrabarti, P.K., see D. Neogy **154**: 127
Chakravorty, D., see M. Pal **152**: 370
Chakravorty, D., see M. Pal **164**: 256
Chalmers, B.J., Developments in electrical machines using permanent magnets **157/8**: 131
Chamberod, A., see A. Tanguy **157/8**: 37
Chamberod, A., see A. Vedyayev **164**: 91
Chandra, G., see S. Ramakrishnan **152**: 375
Chandra, G., see N. Sharma **154**: 296
Chandra, G., see N. Sharma **166**: 65
Chandrasekhar, R., D.J. Mapps, The effects of samarium addition on CoCrTa-based thin films for magnetic recording **155**: 202
Chandrasekhar, R., D.J. Mapps, Properties of CoCrTa perpendicular films prepared by sputtering on platinum underlayer with different bias conditions **155**: 206
Chandrasekhar, R., D.J. Mapps, Preparation and characterisation of sandwich type barium hexa-ferrite thin films **157/8**: 326

Chandrasekhar Rao, T.V., see U.R.K. Rao **161**: 181
Chang, C.-R., J.-S. Yang, Influence of packing factor on coercivity of particle arrays **155**: 92
Chang, C.-R., see I. Klik **155**: 31
Chang, C.-R., see C.-M. Lee **157/8**: 129
Chang, I.J., see H.M. Duh **153**: 379
Chang, J.C.P., see T.M. Pekarek **169**: 261
Chang, W.C., S.L. Lu, S.K. Chen, C.H. Yu, Magnetic properties of $Y_2Fe_{17-x}M_xC_y$ compounds (M = Ga, Al and Si) **157/8**: 89
Chang, W.C., S.H. Wu, B.M. Ma, C.O. Bounds, The effects of La-substitution on the microstructure and magnetic properties of nanocomposite NdFeB melt spun ribbons **167**: 65
Chantrell, R.W., G.N. Coverdale, M. El Hilo, K. O'Grady, Modelling of interaction effects in fine particle systems **157/8**: 250
Chantrell, R.W., see A.H. Thomas **151**: 54
Chantrell, R.W., see M.A. Wongsam **152**: 234
Chantrell, R.W., see A. Satoh **154**: 183
Chantrell, R.W., see A.P. Warren **155**: 19
Chantrell, R.W., see N.S. Walmsley **155**: 28
Chantrell, R.W., see M.A. Wongsam **155**: 37
Chantrell, R.W., see K.M. Tako **155**: 40
Chantrell, R.W., see P.T. Por **155**: 70
Chantrell, R.W., see A.P. Warren **155**: 117
Chantrell, R.W., see P.M. Sollis **155**: 123
Chantrell, R.W., see H. Suzuki **155**: 196
Chantrell, R.W., see G.N. Phillips **155**: 364
Chantrell, R.W., see J.S. Earl **155**: 367
Chantrell, R.W., see N.S. Walmsley **170**: 81
Chapman, J., see S. Casey **155**: 348
Chapman, J.N., see M.S. Valera **157/8**: 555
Chapman, J.N., see M.F. Gillies **161**: L17
Chappert, C., see P. Beauvillain **154**: 160
Chappert, C., see C. Train **156**: 87
Chappert, C., see N. Bardou **156**: 139
Chappert, C., see A. Bounouh **156**: 233
Chappert, C., see J. Caulet **165**: 349
Chappert, C., see M. Finazzi **165**: 373
Chappert, C., see V. Kottler **165**: 398
Chappert, C., see A. Bounouh **165**: 484
Chappert, C., see Y. Suzuki **165**: 516
Charaï, A., see O. Thomas **156**: 31
Charap, S., see R. Davidson **155**: 13
Charles, S.W., see P.C. Fannin **162**: 319
Charles, S.W., see P.C. Fannin **167**: 274
Châtelain, A., see I.M.L. Billas **168**: 64
Chatterjee, N., see S. Giri **157/8**: 411
Chatterjee, R., see G. Sinha **164**: 345
Chattopadhyay, K.N., see D. Neogy **154**: 127
Chattoraj, I., see S. Palit **166**: 186
Chaudhari, N.D., see S.V. Kakatkar **159**: 361
Chaudouët, P., see M. Febri **157/8**: 103
Chełkowska, G., see Z. Drzazga **157/8**: 107
Chełkowska, G., H. Ufer, G. Borstel, M. Neumann, Electronic structure investigations of the $Gd(Al_{1-x}M_x)_2$ Laves phase system with M = V, Ti **157/8**: 719
Chełkowska, G., see A. Kowalczyk **166**: 237
Cheloglu, O., see V. Georgescu **156**: 27
Chen, C., see H. Pan **159**: 352
Chen, C., see H. Pan **161**: 177
Chen, C., see H. Pan **163**: 221
Chen, C., see H. Pan **164**: 197
Chen, C., see Y.-g. Wang **167**: 237
Chen, C., see H. Pan **170**: 179
Chen, C., see H. Pan **170**: 331
Chen, C.T., see V. Chakarian **156**: 265
Chen, C.T., see V. Chakarian **165**: 52
Chen, D., see X. Tang **155**: 164
Chen, D.-X., see H. Miranda **162**: 60
Chen, F., see H.K. Sy **152**: L282
Chen, G.-L., see X. Tang **155**: 164
Chen, L., see R. Wu **170**: 103
Chen, N., see T. Liu **152**: 359
Chen, S.K., see W.C. Chang **157/8**: 89
Chen, X., Z. Altounian, J.O. Ström-Olsen, Structural stability of Sm_2Fe_{17} based carbides under nitrogenation **167**: 80
Chen, X., see L. Wu **164**: 367
Chen, Y., see V. Kottler **165**: 398
Chen, Y., see H. Pan **170**: 179
Chen, Z., A. Yan, X. Wang, Effects of intergranular additions of oxides on the coercivity, thermal stability and microstructure of Nd–Fe–B magnets **162**: 307
Chenevier, B., see M. Febri **157/8**: 215
Chenevier, B., see D. Boursier **165**: 205
Cheng, G.-X., see W.-N. Wang **153**: 11
Cheng, L.-z., see J. Zhi **153**: 315
Cheng, Z.-h., see B.-g. Shen **151**: 111
Cheng, Z.-h., see B.-g. Shen **153**: 332
Chérif, S.M., J.-F. Hennequin, Submicron structures in thin layers by electron beam lithography and ion beam sputtering **165**: 504
Cherifi-Khodjaoui, K., see M. Hehn **165**: 520
Chern, M.Y., W.S. Lee, D.R. Liou, Curie temperatures of $Y_3Fe_5O_{12}/Gd_3Fe_5O_{12}$ superlattices **170**: L243
Chernov, V.A., see S.-K. Kim **170**: L7
Chevalier, B., see R.P. Pinto **157/8**: 698
Chevalier, B., see D. Laffargue **170**: 155
Chevrier, F., see M. Finazzi **165**: 78
Chevrier, F., see S. Andrieu **165**: 191
Chiampi, M., see O. Bottauscio **160**: 94
Chiampi, M., see O. Bottauscio **160**: 96
Chiba, A., see X.G. Li **170**: 339
Chiba, K., see Y. Takeda **152**: 243
Chida, I., see K. Matsuyama **156**: 301
Chieux, P., see U. Köbler **170**: 110
Chikazawa, S., see T. Bitoh **154**: 59
Chiriac, H., T.A. Óvári, Gh. Pop, Magnetic behavior of glass-covered amorphous wires **157/8**: 227

Chiriac, H., E. Hristoforou, M. Neagu, I. Darie, F. Barariu, Dependence of the sound velocity in $Fe_{77.5}Si_{7.5}B_{15}$ amorphous wires on the magnetic bias field **157/8**: 229

Chiriac, H., T.A. Óvári, Gh. Pop, F. Barariu, Internal stresses in highly magnetostrictive glass-covered amorphous wires **160**: 237

Chiriac, H., F. Barariu, V. Nagacevschi, Thermoelectromotive force in magnetic amorphous–crystalline $Fe_{79}Si_5B_{16}$ wire systems **160**: 239

Chiriac, H., see A.P. Zhukov **151**: 132

Chiriac, H., see E. Moldovanu **154**: 101

Chiriac, H., see E. Hristoforou **157/8**: 451

Chmist, J., see K. Turek **157/8**: 65

Cho, K.C., C.Y. Moon, Y.J. Shim, Change of induced anisotropy and magnetic properties due to evaporation conditions in metal evaporated tape **155**: 284

Cho, Y., see D. Son **160**: 65

Chomič, J., see A. Orendáčová **157/8**: 583

Chou, S.Y., P.R. Krauss, Quantum magnetic disk **155**: 151

Chouteau, G., see B. El Houari **166**: 97

Christides, C., M. Anagnostou, A. Petras, D. Niarchos, Dc and ac magnetic susceptibility measurements in $LuFe_{12-x}Mo_x$ $(2.3 < x < 0.5)$ alloys **159**: 142

Christodoulides, J.A., N.B. Shevchenko, G.C. Hadjipanayis, V. Papaefthymiou, Effect of preparation conditions on the hysteresis behavior of granular Fe–SiO_2 **166**: 283

Chrzumnicka, K., J. Dubowik, R. Gontarz, I. Gościańska, H. Ratajczak, L. Smardz, F. Stobiecki, B. Szymański, Soft magnetic properties of Co/Ti multilayers **160**: 349

Chrzumnicka, K., see T. Luciński **160**: 354

Chshiev, M., see A. Granovsky **166**: 193

Chuang, Y.C., see B.W. Wang **162**: 343

Chuang, Y.C., see C.H. Wu **163**: 360

Chuang, Y.C., see S.L. Tang **164**: 215

Chuang, Y.C., see C.H. Wu **166**: 249

Chuang, Y.C., see Y.C. Sui **170**: L17

Chubykalo, O.A., J. González, P. Aragoneses, J.M. Blanco, L. Dominguez, J.M. González, Saturation magnetostriction dependence on torsion in amorphous wire as measured by modified small angle magnetization rotation method **169**: 169

Chui, S.T., Electron interaction in the GMR in multilayers in the CPP geometry **151**: 374

Chui, S.T., Nucleation of planar magnetization in ultra-thin magnetic films **168**: 9

Ciccacci, F., see S. De Rossi **156**: 107

Ciccacci, F., see S. De Rossi **157/8**: 287

Ciccacci, F., see M. Finazzi **165**: 78

Cichorek, T., see Z. Kletowski **162**: 277

Cieślak, J., see S.M. Dubiel **157/8**: 653

Ciobotaru, I., see N. Rezlescu **157/8**: 673

Ciprian, D., see J. Pištora **157/8**: 283

Ciria, M., see J.I. Arnaudas **156**: 421

Ciria, M., see G.J. Tomka **156**: 431

Ciria, M., see C. de la Fuente **157/8**: 535

Ciria, M., see A. del Moral **157/8**: 539

Ciureanu, P., P. Rudkowski, G. Rudkowska, D. Menard, J.F. Currie, J.O. Ström-Olsen, A. Yelon, The magnetoimpedance effect in rapidly solidified soft magnetic fibers **157/8**: 432

Ciureanu, P., see P. Rudkowski **160**: 313

Ciurzyńska, W.H., see J. Zbroszczyk **160**: 141

Ciurzyńska, W.H., see J. Zbroszczyk **160**: 277

Ciurzyńska, W.H., see J. Zbroszczyk **160**: 279

Ciurzyńska, W.H., see J. Zbroszczyk **160**: 281

Clark, T.D., see G.D. Howells **155**: 55

Clausen, C., see J.P.C. Bernards **155**: 370

Clegg, W.W., see B. Liu **155**: 379

Clegg, W.W., see B. Liu **155**: 382

Clemens, W., see H.A.M. van den Berg **165**: 524

Coast-Smith, L., R. Brydson, P. Tsakiropoulos, D. Dunford, C.M. Ward-Close, Synthesis and characterisation of titanium/aluminium nanolaminates **156**: 17

Cochran, J.F., Brillouin light scattering intensities for a thin film exchange coupled to a bulk magnetic substrate **169**: 1

Cochran, J.F., see B. Heinrich **156**: 215

Coehoorn, R., Relation between interfacial magnetism and spin-dependent scattering at nonideal Fe/Cr and Fe/V interfaces **151**: 341

Coehoorn, R., Improved analysis of hyperfine fields in Fe, Co and Ni, and application to orbital magnetism in intermetallic compounds **159**: 55

Coehoorn, R., see K.-M.H. Lenssen **156**: 63

Coelho, A.A., Ch.V. Mohan, S. Gama, H. Kronmüller, The magnetic phase transition in $Fe_{17}Dy_2$ and $Fe_{23}Er_6$ single crystals **163**: 87

Coey, J.M.D., Interstitial intermetallics **159**: 80

Coey, J.M.D., see K. O'Donnell **157/8**: 79

Coey, J.M.D., see K. Kobayashi **157/8**: 97

Coey, J.M.D., see N.M. Dempsey **157/8**: 99

Coey, J.M.D., see L. Ranno **157/8**: 291

Coey, J.M.D., see S. Brennan **157/8**: 510

Coey, J.M.D., see X.-l. Rao **157/8**: 704

Coey, J.M.D., see W. Allen **165**: 121

Coey, J.M.D., see D. Cole **165**: 246

Coey, J.M.D., see S. Wirth **167**: L7

Coey, J.M.D., see J. Geshev **170**: 219

Coffey, K.R., see E. Snoeck **151**: 24

Coffey, W.T., Yu.P. Kalmykov, Inertial effects in the complex magnetic susceptibility of a ferrofluid in the presence of a dc bias field **164**: 133

Colaris, A.H.J., see E.A.M. van Alphen **156**: 29

Coldea, M., D. Andreica, M. Bitu, V. Crisan, Spin fluctuations in YNi_5 and $CeNi_5$ **157/8**: 627

Cole, D., R. Jordan, J.G. Lunney, J.M.D. Coey, Pulsed laser deposition of Fe thin films in UHV **165**: 246
Colino, J., see B.G. Almeida **156**: 399
Collin-Fèvre, I., see M. Leblanc **167**: 71
Collomb, A., see J. Ayres de Campos **164**: 305
Colpa, J.H.P., see F.E. Kayzel **157/8**: 409
Colpa, J.H.P., see C.V. Thang **157/8**: 643
Contreras, M.C., see J.F. Calleja **152**: 17
Contreras, M.C., see M. Rivas **166**: 53
Conyers, J.S., M.J. Hall, A.L. Greer, R.E. Somekh, The effect of diffusion-induced stress on the magnetic properties of c-Ni/a-$Ni_{50}Zr_{50}$ multilayers **156**: 419
Cooper, B.R., see Q.G. Sheng **164**: 335
Corma, A., see J.L. Garcia **157/8**: 272
Cornea-Borodi, C.C., D.C.A. Stoeffler, F. Gautier, Theoretical study of non-collinear magnetic orders in $(Fe_xCo_{1-x})/Mn_n$ superlattices **165**: 450
Cornejo, D.R., F.P. Missell, J.M. González, Magnetization reversal on recoil curves in $SmCo_5$ and nanocrystalline SmFeCo **157/8**: 529
Cornelius, A.L., J.S. Schilling, O. Vogt, K. Mattenberger, U. Benedict, High-pressure susceptibility studies on the ferromagnetic uranium monochalcogenides US, USe and UTe **161**: 169
Cornette, A., see V. Cros **165**: 512
Cornut, B., A. Kedous-Lebouc, Th. Waeckerlé, From metallurgy to modelling of electrical steels: a multiple approach to their behaviour and use based on physics and experimental investigations **160**: 102
Cornut, B., see A. Kedous-Lebouc **160**: 45
Cornut, B., see J. Sievert **160**: 115
Cornut, B., see M. Mekhiche **160**: 125
Cornut, B., see S. Spornic **160**: 147
Cornut, B., see N. Nencib **160**: 171
Cornut, B., see N. Nencib **160**: 174
Corrales, J.A., see J.F. Calleja **152**: 17
Cosma, I., see E. Culea **157/8**: 163
Costa, J.E.R., see A.R. Pereira **162**: 219
Costandache, D., see O. Baltag **157/8**: 591
Costina, I., see E. Burzo **157/8**: 615
Cotae, C., see O. Baltag **157/8**: 591
Cottenier, S., see B. Swinnen **156**: 71
Cottenier, S., see S. Demuynck **165**: 462
Couderchon, G., see D. Gautard **160**: 359
Coulman, D., see P.F. Carcia **164**: 411
Courtois, P., R. Perrier de la Bâthie, R. Tournier, Exploration of the magnetic field effect on the orientation of $Nd_2Fe_{14}B$ crystallites at high temperatures **153**: 224
Courtois, P., see M. Bonvalot **151**: 283
Coutinho-Filho, M.D., see E.P. Raposo **154**:L155
Coutu, L., see D. Gautard **160**: 359
Coverdale, G.N., see A. Satoh **154**: 183
Coverdale, G.N., see P.T. Por **155**: 70
Coverdale, G.N., see A.P. Warren **155**: 117
Coverdale, G.N., see R.W. Chantrell **157/8**: 250
Cowache, C., see B. Dieny **151**: 378
Cowburn, R.P., see J.A.C. Bland **156**: 177
Cowen, J.A., J.G. Booth, J.W. Boyle, A.D. Boardman, K.M. Booth, F. Schreiber, CoCu(111) superlattices investigated by Brillouin light scattering **156**: 163
Cowen, J.A., J.G. Booth, J.W. Boyle, A.D. Boardman, K.M. Booth, M.R.J. Gibbs, C. Shearwood, Brillouin light scattering studies of iron–cobalt multilayers **165**: 383
Cowen, J.A., see J.W. Boyle **156**: 33
Cowlam, N., see J.K. Hong **156**: 55
Cowlam, N., see J. Speakman **156**: 411
Cowley, R.A., see J.P. Goff **156**: 263
Cox, T.J., see F.T. Parker **162**: 122
Cozar, O., see I. Ardelean **157/8**: 165
Crampin, S., see S. De Rossi **156**: 107
Craus, M.L., see E. Rezlescu **157/8**: 487
Crespo, P., see V. Neu **157/8**: 61
Crespo, P., see A. Zhukov **157/8**: 143
Crew, D.C., S.H. Farrant, P.G. McCormick, R. Street, Measurement of magnetic viscosity in a Stoner–Wohlfarth material **163**: 299
Crisan, O., see M. Seqqat **157/8**: 225
Crisan, V., see M. Coldea **157/8**: 627
Cristea, L., see M. Seqqat **157/8**: 225
Crooker, B.C., see T.M. Pekarek **169**: 261
Cros, V., S.-F. Lee, G. Faini, A. Cornette, A. Hamzic, A. Fert, Detection of the magnetization reversal in submicron Co particles by GMR measurements **165**: 512
Cros, V., see J. Vogel **165**: 96
Crottier-Combe, S., S. Audisio, J. Degauque, J.L. Porteseil, E. Ferrara, M. Pasquale, F. Fiorillo, The magnetic properties of Fe–Si 6.5 wt% alloys obtained by a $SiCl_4$-based CVD process **160**: 151
Crottier-Combe, S., S. Audisio, J. Degauque, E. du Tremolet de Lacheisserie, J.L. Porteseil, Si–Al enriched Fe based sheets by chemical vapour deposition: Evolution of magnetoelastic properties **161**: 292
Culea, E., A. Pop, I. Cosma, Magnetic behaviour of $xGd_2O_3 \cdot (i - x)Na_2O \cdot 2B_2O_3$ glasses **157/8**: 163
Cumpson, S.R., B.K. Middleton, J.J. Miles, Digital record theory for a thin medium with easy magnetisation direction tilted out of its plane **154**: 382
Cumpson, S.R., see B.K. Middleton **155**: 266
Cuong, T.D., Z. Arnold, J. Kamarád, A.V. Andreev, L. Havela, V. Sechovský, Composition and volume dependence of magnetism in $URu_{1-x}Rh_xAl$ and $URuAl_{1-y}Sn_y$ **157/8**: 694
Currat, R., see C. Hordequin **162**: 75
Currie, J.F., see P. Ciureanu **157/8**: 432

Czapkiewicz, M., T. Stobiecki, M. Kopcewicz, Interface structure and magnetic and electrical properties of Fe/Ti multilayers **160**: 357
Czapkiewicz, M., see E. Jędryka **156**: 38
Czapkiewicz, M., see M. Wójcik **157/8**: 220
Czechowski, G., see M. Koneracká **157/8**: 589
Czigány, Zs., see L. Daróczi **156**: 417
Cziráki, Á., see I. Bakonyi **156**: 347
Czopnik, A., see G.E. Grechnev **157/8**: 677
Czopnik, A., see G.E. Grechnev **157/8**: 702
Czycholl, G., see B.-G. Liu **154**: 369

D'Addato, S., see A.M. Prandini **165**: 216
d'Albuquerque e Castro, J., see M.S. Ferreira **154**: L1
Da Costa, M.I., see A.V. dos Santos **166**: 223
Da Cunha, S.F., see C.A. Samudio **167**: 109
Da Silva, C.M., D.E. Brandão, A.A. Gomes, Heusler compounds with Mn: a model for some magnetic properties **162**: 107
Da Silva, E.G., see C. Paduani **161**: 184
Daboo, C., see M. Patel **156**: 53
Daboo, C., see A. Ercole **156**: 121
Daboo, C., see T. Fujimoto **156**: 365
Daboo, C., see M. Gester **165**: 242
Dahlgren, M., R. Grössinger, A. Hernando, D. Holzer, M. Knobel, P. Tiberto, Magnetic properties of $Fe_{86}Zr_7Cu_1B_6$ at elevated temperatures **160**: 247
Daimon, M., see K. Shimokawa **154**: 271
Dakhama, A., see N. Benayad **168**: 105
Dam, B., see S. Freisem **165**: 380
Dan'kov, S.Y., Yu.I. Spichkin, A.M. Tishin, Magnetic entropy and phase transitions in Gd, Tb, Dy and Ho **152**: 208
Danan, H., see L. Louail **165**: 387
Danebrock, M.E., see M. Reehuis **151**: 273
Danebrock, M.E., see M. Reehuis **154**: 355
Darie, I., see H. Chiriac **157/8**: 229
Dariel, M.P., see E. Rozenberg **165**: 342
Daróczi, L., D.L. Beke, G. Langer, Gy. Radnóczi, Zs. Czigány, Effect of low hydrostatic pressures on the solid state reactions in multilayers **156**: 417
Das, A., see R. Krishnan **168**: 15
Dash, J., R. Krishnan, N. Venkataramani, S. Prasad, S.N. Shringi, P. Kishan, N. Kumar, Sputter deposited LiZn ferrite films on fused quartz substrates **152**: L1
Davidov, D., see P. Fleischhauer **159**: 166
Davidson, R., S. Charap, R. Simmons, Vector combined Preisach model with a biaxial switching operator for simulation of unoriented thin-film media **155**: 13
Davies, A., J.A. Stroscio, D.T. Pierce, J. Unguris, R.J. Celotta, Observations of alloying in the growth of Cr on Fe(001) **165**: 82
Davies, H.A., Nanocrystalline exchange-enhanced hard magnetic alloys **157/8**: 11
Davies, H.A., see J.F. Liu **157/8**: 29
Davies, H.A., see I. Ahmad **157/8**: 31
Davies, H.A., see M. Leonowicz **157/8**: 45
Davies, H.A., see M. Leonowicz **166**: 165
Daykin, A.C., J.D. Kim, J.P. Jakubovics, A study of cross-tie domain walls in cobalt using small-aperture Foucault imaging **153**: 293
Daykin, A.C., R.C. Doole, J.P. Jakubovics, Mapping the magnetic induction in Co/Cr/Co trilayers using Foucault images formed in the transmission electron microscope **156**: 43
Daykin, A.C., see S.J. Newnham **157/8**: 39
De Andrés, A., see C. Prieto **161**: 31
De Azevedo, M.M.P., B.G. Almeida, V.S. Amaral, J.B. Sousa, P.P. Freitas, R. Krishnan, Anomalous electrical resistivity in metallic multilayer systems and interfacial structural changes **156**: 357
De Azevedo, M.M.P., V.S. Amaral, J.B. Sousa, P.P. Freitas, Temperature dependence of the electrical resistivity and magnetoresistance of $Co/Au_{1-x}Cu_x$ multilayers **157/8**: 276
De Boeck, J., R. Oesterholt, H. Bender, A. Van Esch, C. Bruynseraede, C. Van Hoof, G. Borghs, Controlled formation of nanoscale MnAs magnetic clusters in GaAs **156**: 148
De Boer, F.R., Z.G. Zhao, K.H.J. Buschow, 4f–3d interaction and magnetic anisotropy in $ThMn_{12}$-type rare-earth transition-metal compounds **157/8**: 504
De Boer, F.R., The magnetization process in free single-crystalline particles of rare-earth–transition-metal compounds **159**: 64
De Boer, F.R., see O. Moze **152**: 341
De Boer, F.R., see M. Solzi **157/8**: 85
De Boer, F.R., see E. Brück **157/8**: 395
De Boer, F.R., see N. Tang **157/8**: 397
De Boer, F.R., see Q.A. Li **157/8**: 399
De Boer, F.R., see J.H.V.J. Brabers **157/8**: 639
De Boer, F.R., see C.H. de Groot **157/8**: 641
De Boer, F.R., see J.L. Wang **159**: 357
De Boer, F.R., see J.L. Wang **166**: 355
De Camargo, P.C., see A.J.A. de Oliveira **152**: 86
De Camargo, P.C., see V.Yu. Galkin **159**: L23
De Francisco, C., see P. Hernández **157/8**: 123
De Gasperis, P., see R. Marcelli **157/8**: 471
De Grave, E., see C.A. McCammon **152**: 33
De Gronckel, H., see S.O. Demokritov **165**: 496
De Groot, C.H., K.H.J. Buschow, F.R. de Boer, Re-entrant ferromagnetism in the $ThFe_{3-x}Al_x$ system **157/8**: 641
De Groot, C.H., see J.H.V.J. Brabers **157/8**: 639
De Groot, C.H., see P. Schobinger-Papamantellos **169**: 253
De Groot, D.G., see K. Temst **156**: 109
De Groot, D.G., see S. Freisem **165**: 380
De Groot, P.A.J., see J.I. Arnaudas **156**: 421
De Groot, P.A.J., see G.J. Tomka **156**: 431

De Haan, P., see K. Tsutsumi **156**: 327
De Haan, P., see V. Kamberský **157/8**: 301
De Haan, S., J.C. Lodder, Reversal studies on sub-micron Co–Cr thin films by AHE analysis **155**: 193
De Haan, S., J.C. Lodder, Magnetisation reversal mechanism in Co–Cr media for perpendicular magnetic recording **168**: 321
De Heer, W.A., see I.M.L. Billas **168**: 64
De Jong, M., L. Köszegi, J. Sietsma, M.Th. Rekveldt, A. van den Beukel, A neutron depolarization study of stress-annealed amorphous $Fe_{40}Ni_{40}B_{20}$ **152**: 326
De Jonge, W.J.M., see E.A.M. van Alphen **156**: 29
De Jonge, W.J.M., see J.J. de Vries **156**: 257
De Jonge, W.J.M., see H.J.M. Swagten **156**: 329
De Jonge, W.J.M., see P.A.A. van der Heijden **159**: L293
De Jonge, W.J.M., see M.A.M. Gijs **165**: 17
De Jonge, W.J.M., see W. Oepts **165**: 356
De Jonge, W.J.M., see J.J. de Vries **165**: 435
De la Bâthie, R.P., see S. Liesert **157/8**: 57
De la Fuente, C., J.I. Arnaudas, A. del Moral, M. Ciria, Magnetic and magnetoelastic properties of the random anisotropy amorphous magnets $Tb_2(Fe_xNi_{1-x})$ **157/8**: 535
De la Fuente, C., see J.I. Arnaudas **156**: 421
De la Peña, J.L., see A. Garnier **167**: 52
De Leon Guevara, A.M., see A. Anane **165**: 377
De Miguel, J.J., see W. Kuch **170**: L13
De Moor, P., see T. Phalet **165**: 234
De Moor, P., see M. Trhlik **165**: 408
De Oliveira, A.J.A., W.A. Ortiz, P.C. de Camargo, V.Yu. Galkin, Ac susceptibility investigation of the Néel transition and the local moment behavior in Cr–V alloys **152**: 86
De Paepe, A., K. Eloot, J. Dilewijns, C. Standaert, Effect of hot rolling parameters on the magnetic properties of a low-silicon ultra-low-carbon steel **160**: 129
De Paepe, A., see K. Eloot **157/8**: 459
De Paepe, A., see C. Standaert **160**: 139
De Pauw, V., D. Lemarchand, A. Fnidiki, Nitrogenation study of bulk $Sm_2(Fe,Co)_{17}$ compound: Comparison between two processes **169**: 82
De Rango, P., see S. Liesert **157/8**: 57
De Rossi, S., S. Crampin, F. Ciccacci, Empty electron states in ultrathin Fe/Au(100) films **156**: 107
De Rossi, S., A. Tagliaferri, F. Ciccacci, Spin polarization of Ag/Fe(100) quantum well empty states **157/8**: 287
De Souza, S.D., see A.W. Carbonari **163**: 313
De V. du Plessis, P., see V.H. Tran **162**: 247
De Veirman, A.E.M., see K.-M.H. Lenssen **156**: 63
De Vries, J.J., A.A.P. Schudelaro, R. Jungblut, W.J.M. de Jonge, Oscillatory behaviour of the interlayer coupling with the thickness of the Cu cap layer in Co/Cu(100) **156**: 257
De Vries, J.J., J. Kohlhepp, F.J.A. den Broeder, P.A. Verhaegh, R. Jungblut, A. Reinders, W.J.M. de Jonge, Structural and magnetic analysis of MBE-grown Fe/Si/Fe and Fe/Ge/Fe sandwiches **165**: 435
Deak, J., see T.M. Pekarek **169**: 261
Dean, C., see A.P. Warren **155**: 19
Dean, C., see A.P. Warren **159**: 381
Dean, C., see N.S. Walmsley **170**: 81
Decanini, D., see N. Bardou **156**: 139
Decanini, D., see C. Miramond **165**: 500
Déchelette-Barbara, A., J.M. Tonnerre, M.C. Saint-Lager, F. Bartolomé, J.F. Bérar, D. Raoux, H.M. Fischer, M. Piecuch, V. Chakarian, C.C. Kao, M. Gailhanou, S. Lefèvre, M. Bessière, X-ray anomalous diffraction and resonant magnetic scattering X-ray study of Fe_xMn_{1-x}/Ir(001) superlattices **165**: 87
Dederichs, P.H., see I. Mertig **151**: 363
Dederichs, P.H., see P. Lang **156**: 229
Dederichs, P.H., see T. Hoshino **157/8**: 717
Dederichs, P.H., see B. Nonas **165**: 137
Dederichs, P.H., see V.S. Stepanyuk **165**: 272
Dederichs, P.H., see K. Wildberger **165**: 454
DeFotis, G.C., E.W. Harlan, W.R.A. Jarvis, S.A. Terranova, V.J. Pugh, J.L. Marmorino, B.D. Hogg, T.R. Jensen, Magnetic properties of $Fe[S_2CNC_4H_8O]_2X$, X = Cl, Br, I **154**: 83
Degauque, J., see A. Tanguy **157/8**: 37
Degauque, J., see S. Crottier-Combe **160**: 151
Degauque, J., see B. Viala **160**: 315
Degauque, J., see A. Tanguy **161**: 235
Degauque, J., see S. Crottier-Combe **161**: 292
Dehl', A.K., see V.V. Ustinov **156**: 179
Dekoster, J., see B. Swinnen **156**: 71
Dekoster, J., see S. Demuynck **165**: 462
Del Moral, A., J.I. Arnaudas, M. Ciria, M.R. Wells, R.C.C. Ward, Magnetoelasticity of holmium–yttrium superlattices **157/8**: 539
Del Moral, A., see L. Morellon **153**: 17
Del Moral, A., see J.I. Arnaudas **156**: 421
Del Moral, A., see P.A. Algarabel **157/8**: 521
Del Moral, A., see C. de la Fuente **157/8**: 535
Del Moral, A., see M.J. Azanza **157/8**: 593
Delamore, G.W., see A.K. Shaikh **152**: 345
Della Torre, E., see F. Vajda **155**: 25
Deloie, F., see U. Köbler **170**: 110
Demangeat, C., V.M. Uzdin, Hubbard and Anderson periodic models for the description of imperfect low-dimensional FeCr magnetic systems **156**: 202
Demangeat, C., see A. Noguera **156**: 21
Demangeat, C., see P. Krüger **156**: 91
Demangeat, C., see O. Elmouhssine **156**: 199
Demangeat, C., see G. Moraitis **156**: 250
Demangeat, C., see A. Vega **165**: 265
Demangeat, C., see J. Dorantes-Dávila **165**: 268

Demangeat, C., see V.M. Uzdin **165**: 458

Demokritov, S., U. Rücker, P. Grünberg, Enhancement of the Curie temperature of epitaxial EuS(100) films caused by growth dislocations **163**: 21

Demokritov, S., see U. Rücker **156**: 269

Demokritov, S.O., Ch. Mathieu, M. Bauer, S. Riedling, O. Büttner, H. de Gronckel, B. Hillebrands, Interface anisotropy and magnetization reversal in epitaxial Fe(001)/Pd double layers **165**: 496

Dempsey, N.M., P.A.P. Wendhausen, B. Gebel, K.-H. Müller, J.M.D. Coey, Improvement of the magnetic properties of HDDR $Sm_2Fe_{17}N_3$ **157/8**: 99

Dempsey, N., see S. Brennan **157/8**: 510

Demuynck, S., J. Meersschaut, J. Dekoster, R. Moons, B. Swinnen, S. Cottenier, M. Rots, Magnetic and structural properties of Cr in Ag/Cr(001) multilayers **165**: 462

Demuynck, S., see B. Swinnen **156**: 71

Den Broeder, F.J.A., see J. Kohlhepp **156**: 261

Den Broeder, F.J.A., see A. van der Graaf **165**: 157

Den Broeder, F.J.A., see J. Kohlhepp **165**: 431

Den Broeder, F.J.A., see J.J. de Vries **165**: 435

Deriu, A., see F. Albertini **157/8**: 655

Derzhko, O., T. Krokhmalskii, T. Verkholyak, Thermodynamical properties of a random spin-1/2 XY chain with Dzyaloshinskii–Moriya interactions **157/8**: 421

Despres, J.F., see L. Piraux **156**: 317

Desvignes, J.M., see R. Gieniusz **153**: 50

Desvignes, J.M., see R. Jabłoński **160**: 367

Desvignes, J.M., see K. Bouziane **165**: 284

Desvignes, J.M., see J. Ben Youssef **165**: 288

Detzel, Th., M. Vonbank, M. Donath, N. Memmel, V. Dose, Temperature-dependent magnetization of fcc Fe/Cu(001) studied by spin-polarized appearance potential spectroscopy **152**: 287

Devlin, E., see V. Psycharis **153**: 75

Dhar, S.K., S.M. Pattalwar, Structural and magnetic properties of $CeAl_xSi_{2-x}$ and $CeAl_xGe_{2-x}$ alloys **152**: 22

Dhar, S.K., see S. Ramakrishnan **152**: 375

Diaconu, E.D., see E. Moldovanu **154**: 101

Diaconu, E.-D., see A. Moldovanu **157/8**: 442

Diaz, F., see R. Solé **159**: L39

Diaz, S., J.L. Sánchez, B.E. Watts, F. Leccabue, R. Panizzieri, Magnetic properties of polycrystalline $BaFe_{12}O_{19}$ thin films prepared from metallorganic decomposition on ZrO_2-coated Si substrates **151**: 173

Diaz Castañón, S., see V.V. Maikov **151**: 167

Dickson, D.P.E., see Q.A. Pankhurst **155**: 104

Dickson, D.P.E., see M.P. Morales **155**: 129

Didosyan, Y.S., V.Y. Barash, Faraday effect in yttrium orthoferrite in the range 1280–1600 nm **151**: 207

Dieny, B., A. Granovsky, A. Vedyaev, N. Ryzhanova, C. Cowache, L.G. Pereira, Recent results on the giant magnetoresistance in magnetic multilayers (anisotropy, thermal variation and CCP-GMR) **151**: 378

Dieny, B., see S. Young **162**: 38

Dieny, B., see A. Vedyayev **164**: 91

Dieny, B., see E. Gan'shina **165**: 320

Diep, H.T., see R. Quartu **168**: 94

Dikshtein, I.E., S.A. Nikitov, Inhomogeneous surface and volume magnetic states in ferromagnetic films close to the Curie temperature **153**: 151

Dikshtein, I.E., F.V. Lisovskii, C.M. Park, Phase diagrams of uniaxial magnetic films in magnetic field **167**: 34

Dilewijns, J., see K. Eloot **157/8**: 459

Dilewijns, J., see A. De Paepe **160**: 129

Dimc, F., see C. Burkhardt **157/8**: 127

Ding, J., P.A.I. Smith, P.G. McCormick, R. Street, Magnetisation processes and magnetic viscosity of mechanically alloyed $SmCo_5$ **161**: 303

Ding, J., T. Tsuzuki, P.G. McCormick, R. Street, Structure and magnetic properties of ultrafine Fe powders by mechanochemical processing **162**: 271

Ding, J., R. Street, H. Nishio, Magnetic properties of Ba- and Sr-hexaferrite prepared by mechanical alloying **164**: 385

Ding, J., see P.G. McCormick **157/8**: 7

Ding, W., see W. Zhong **168**: 196

Ding, X.H., see H. Li **163**: 125

Ding, Y., see S. Baran **170**: 143

Dinia, A., see S. Zoll **156**: 231

Dinia, A., see N. Persat **156**: 335

Dinia, A., see N. Persat **156**: 371

Dinia, A., see N. Persat **164**: 37

Dinia, A., see S. Zoll **165**: 442

Dinia, A., see N. Persat **165**: 446

Dirska, M., see J. Manske **168**: 249

Dittschar, A., see M. Zharnikov **165**: 250

Dittschar, A., see W. Kuch **170**: L13

Djayaprawira, D.D., see T. Shimatsu **155**: 242

Djayaprawira, D.D., see T. Shimatsu **155**: 246

Djemia, P., F. Ganot, P. Moch, Brillouin scattering in ultrathin permalloy films: monolayers and multilayers with alumina interfaces **165**: 428

Dlouhý, D., see V. Hašlar **160**: 257

Dmitrieva, N.V., see G.V. Kurlyandskaya **160**: 307

Doan, T., see A. Nafalski **160**: 84

Doan, T., see A. Nafalski **160**: 154

Dobrovitski, V.V., A.K. Zvezdin, Macroscopic quantum tunnelling of solitons in ultrathin films **156**: 205

Dobrovitski, V.V., A.K. Zvezdin, Quantum tunnelling of the domain wall in a weak ferromagnet **157/8**: 419

Dobrzyński, L., see D. Satuła **151**: 211

Dobrzyński, L., see D. Satuła **169**: 240

Dodd, P.M., see R. Atkinson **156**: 169
Dohnomae, H., see K. Shimokawa **154**: 271
Dolecki, K., see W. Szmaja **151**: 249
Domingues, P.H., L.F. Moreira, E. Mattievich, B. Sarkissian, Magnetism in the series $(Fe_xMn_{1-x})_5(PO_4)_2(PO_4H)_2(H_2O)_4$ **167**: 87
Dominguez, L., see P. Aragoneses **168**: 177
Dominguez, L., see O.A. Chubykalo **169**: 169
Donaberger, R.L., see Er. Girt **163**: L251
Donath, M., see Th. Detzel **152**: 287
Donath, M., see F. Passek **159**: 103
Donath, M., see B. Gubanka **161**: L11
Donatini, F., S. Neveu, J. Monin, Measurements of longitudinal magneto-optic effects in ferrofluids: a dynamic method **162**: 69
Dong, J.M., see H. Li **163**: 125
Dong, S., see J. Yang **152**: 396
Donkers, J.J.T.M., see K.-M.H. Lenssen **156**: 63
Donovan, P., see J.V. Harkins **156**: 224
Doole, R.C., see A.C. Daykin **156**: 43
Doole, R.C., see T. Missana **156**: 281
Dorantes-Dávila, J., A. Mokrani, H. Dreyssé, C. Demangeat, Magnetic configurations of rhodium **165**: 268
Dorantes-Dávila, J., see F. López-Urías **165**: 262
Dormann, E., see J. Weizenecker **152**: 183
Dormann, E., see P. Rösch **164**: 175
Dormann, J.L., see M. Seqqat **157/8**: 225
Dormann, J.L., see M. Seqqat **157/8**: 489
Dormann, J.L., see G.T. Bhandage **166**: 141
Dorofeev, G.A., see E.P. Yelsukov **166**: 334
Doroshev, V., V. Krivoruchko, M. Savosta, A. Shestakov, T. Tarasenko, Pressure effect on the Néel temperature in La_2CuO_4 **157/8**: 669
Doroshev, V., see M. Savosta **157/8**: 523
Dos Santos, A.V., M.I. da Costa, C.A. Kuhnen, Electronic structure and magnetic properties of Fe_4C **166**: 223
Dose, V., see Th. Detzel **152**: 287
Dötsch, H., see N. Bahlmann **161**: 22
Dötsch, H., see K. Wagner **161**: 57
Doudin, B., see B. Voegeli **151**: 388
Doudin, B., see C. Beeli **164**: 77
Doudin, B., see A. Blondel **165**: 34
Douheret, J.S., see A. Fnidiki **156**: 41
Dova, P., K. O'Grady, G.J. Sinclair, G.A. Jones, P.J. Grundy, Magnetic coupling in CoPtCr/Cr trilayer films **155**: 176
Doyle, W.D., see L. He **155**: 6
Draxler, K., R. Styblíková, Use of nanocrystalline materials for current transformer construction **157/8**: 447
Drchal, V., see J. Kudrnovský **156**: 245
Drchal, V., see P. Bruno **165**: 128
Dreyssé, H., see A. Noguera **156**: 21
Dreyssé, H., see G. Moraitis **156**: 250
Dreyssé, H., see F. López-Urías **165**: 262
Dreyssé, H., see A. Vega **165**: 265
Dreyssé, H., see J. Dorantes-Dávila **165**: 268
Drillon, M., see V. Laget **154**: L7
Drillon, M., see S. Rouba **163**: 365
Driouch, L., R. Krishnan, J. Voiron, High field magnetisation studies in amorphous Co–Dy–B alloys **157/8**: 149
Driouch, L., R. Krishnan, J. Voiron, K.V. Rao, The temperature dependence of the critical field B_{cr1} for non-collinear magnetic ordering in amorphous Fe–Dy–B alloys at high field **167**: 47
Driouch, L., see G. Ravach **157/8**: 173
Driouch, L., see R. Krishnan **163**: 353
Drobac, Đ., Critical exponents from high-precision ac susceptibility data **159**: 159
Drouhin, H.-J., G. Lampel, Y. Lassailly, A.J. van der Sluijs, C. Marlière, Electron transmission through ultra-thin metal layers and its spin dependence for magnetic structures **151**: 417
Drulis, H., see W. Suski **154**: 207
Drulis, H., see F.G. Vagizov **168**: 299
Drzazga, Z., A. Winiarska, G. Chelkowska, Magnetocrystalline anisotropy in $DyFe_{12-x}V_x$ intermetallics and their carbides **157/8**: 107
Du, Y., see T. Zhou **164**: 219
Du, Y., see W. Zhong **168**: 196
Du, Y.-W., see W.-N. Wang **153**: 11
Du, Y.W., see Z.Q. Yu **159**: L8
Du Trémolet de Lacheisserie, E., J.C. Peuzin, Answer to comments on "Magnetostriction and internal stresses in thin films: the cantilever method revisited" **152**: 231
Du Trémolet de Lacheisserie, E., see S. Crottier-Combe **161**: 292
Du Trémolet de Lacheisserie, E., see S. Jaren **165**: 172
Duan, X., H. Huneus, T. Kochmann, K. Leuridan, R. Kaczmarek, F. Protat, Effect of annealing temperature and heating rate on the magnetic and mechanical properties of electrical steel **160**: 133
Dubenko, I.S., N.P. Kolmakova, R.Z. Levitin, A.S. Markosyan, A.K. Zvezdin, Magnetic phase diagrams and magnetization curves of ferrimagnets with one unstable magnetic subsystem **153**: 207
Dubenko, I.S., S.A. Granovskiy, E. Gratz, R.Z. Levitin, A. Lindbaum, A.S. Markosyan, Enhanced paramagnetic thermal expansion of the intermetallic compounds $Y_6(Mn_{1-x}Fe_x)_{23}$ **157/8**: 629
Dubenko, I.S., see I.V. Golosovsky **169**: 123
Dubiel, S.M., J. Cieślak, F.E. Wagner, Mössbauer-effect study of the influence of vanadium on spin- and charge-density waves of chromium **157/8**: 653
Dubois, S., J.M. Beuken, L. Piraux, J.L. Duvail, A. Fert, J.M. George, J.L. Maurice, Perpendicular giant magnetoresistance of NiFe/Cu and Co/Cu multilayered nanowires **165**: 30

Dubois, S., see L. Piraux **156**: 317
Dubois, S., see L. Piraux **159**: L287
Dubois, S., see L. Piraux **165**: 352
Dubowik, J., F. Stobiecki, H. Rohrmann, K. Röll, Metastability of ultrathin Fe in Fe/Zr multilayers investigated by the Kerr effect **152**: 201
Dubowik, J., see T. Luciński **160**: 347
Dubowik, J., see K. Chrzumnicka **160**: 349
Dubowik, J., see B. Szymański **160**: 351
Duc, N.H., D. Givord, Effects of 3d–p hybrization on intersublattice exchange interactions in R–Co–B compounds **151**: L13
Duc, N.H., Magnetic and electrical properties of the $R(Co, Si)_2$ compounds (R = Gd, Tb, Dy) with invariable crystal unit cell parameters **152**: 219
Duc, N.H., D. Givord, Exchange interactions in amorphous Gd–Co alloys **157/8**: 169
Duden, T., see E. Bauer **156**: 1
Dufour, C., K. Dumesnil, Ph. Mangin, G. Marchal, M. Hennion, Shifts of Curie temperature of epitaxial dysprosium films **156**: 425
Dufour, C., see A. Mougin **165**: 168
Dufour, J., R. Latorre, E.M. Alcalá, C. Negro, A. Formoso, F. López-Mateos, Synthesis of M-type hexaferrites from steel pickling liquors (ID 109) **157/8**: 125
Duh, H.M., I.S. Lyubutin, I.M. Jiang, G.H. Hwang, K.D. Lain, Magnetic properties of $U(Pd_{1-x}Fe_x)_2Ge_2$ **153**: 86
Duh, H.M., I.S. Lyubutin, C.S. Wur, K.J. Lin, J.S. Hwang, C. Tien, I.J. Chang, Erratum to: Magnetic phase transitions in UPd_2Ge_2 **153**: 379
Duhaj, P., see D. Atkinson **157/8**: 156
Duhaj, P., see Z. Kaczkowski **157/8**: 199
Duhaj, P., see V. Basso **157/8**: 217
Duhaj, P., see V. Hašlar **160**: 257
Duhaj, P., see O. Heczko **160**: 259
Duhaj, P., see Z. Kaczkowski **160**: 275
Dukhovii, V.V., see M.P. Kozlovskii **169**: 335
Dumesnil, K., see C. Dufour **156**: 425
Dumesnil, K., see A. Mougin **165**: 168
Dumond, Y., see R. Krishnan **163**: 353
Dumpich, G., U. Kirschbaum, H. Mühlbauer, B. Rellinghaus, E.F. Wassermann, B. Kabius, Structural and magnetic properties of $Fe_{71}Pt_{29}$ thin films **161**: 37
Dunford, D., see L. Coast-Smith **156**: 17
Dunlop, J.B., see K.-H. Müller **157/8**: 117
Dupas, C., see E. Kolb **156**: 377
Dupas, C., see A. Anane **165**: 377
Dupré, L.R., see D.A. Philips **160**: 5
Dupuis, V., J. Tuaillon, B. Prevel, A. Perez, P. Melinon, G. Guiraud, F. Parent, L.B. Steren, R. Morel, A. Barthelemy, A. Fert, S. Mangin, L. Thomas, W. Wernsdorfer, B. Barbara, From the superparamagnetic to the magnetically ordered state in systems of transition metal clusters embedded in matrices **165**: 42
Duraj, M., see R. Duraj **166**: 207
Duraj, R., M. Duraj, A. Szytuła, Influence of a Si atom admixture on the magnetic properties of $SmMn_2Ge_2$ **166**: 207
Durin, G., A. Magni, G. Bertotti, Measurements of the Barkhausen effect in FeCoB amorphous alloys **160**: 299
Durin, G., see A. Magni **157/8**: 353
Dürkop, T., see U. Gradmann **165**: 56
Duša, O., J. Kováč, M. Konč, T. Švec, V. Kavečanský, Low-temperature magnetization of amorphous and nanocrystalline $Fe_{76.5-x}U_xCu_1Si_{13.5}B_9$ alloys **154**: 54
Duša, O., see J. Kováč **157/8**: 197
Duvail, J.L., A. Barthélémy, L.B. Steren, R. Morel, F. Petroff, M. Sussiau, M. Wiedmann, A. Fert, P. Holody, R. Loloee, P.A. Schroeder, Giant magnetoresistance in hybrid nanostructures **151**: 324
Duvail, J.L., see S. Dubois **165**: 30
Dyakin, V.V., see B.V. Karpenko **152**: 116
Dyakonov, A.J., B.J. McCormick, P.K. Kahol, H.H. Hamdeh, Magnetic materials based on iron dispersed in graphitic matrices II. High temperatures and mesophase pitch **167**: 115
Dyogteva, O.B., see Yu.G. Pastushenkov **157/8**: 67

Earl, J.S., A. Lyberatos, R.W. Chantrell, K. O'Grady, An analysis of magnetic viscosity in MO films – II: Simulation **155**: 367
Eberhardt, W., see C. Carbone **156**: 259
Ebert, H., see G.Y. Guo **156**: 173
Ebert, H., see G.Y. Guo **156**: 289
Ebothe, J., see S. Vilain **157/8**: 274
Eccleston, R.S., see M. Loewenhaupt **152**: 10
Echavarrieta, C., see P. Quintana **160**: 245
Eckert, D., P.A.P. Wendhausen, B. Gebel, M. Wolf, K.-H. Müller, Comparison of magnetization processes in differently prepared $Sm_2Fe_{17}N_3$ permanent magnets **157/8**: 93
Eckert, D., see D. Hinz **157/8**: 43
Eckert, J., see V. Neu **157/8**: 61
Economov, N.A., see V.V. Moshkin **170**: 285
Edelman, I., T. Morozova, V. Zabluda, P. Kim, I. Turpanov, A. Betenkova, G. Bondarenko, Kerr rotation and magnetic circular dichroism in Co/SiO_2 multilayers **161**: 299
Edwards, D.M., see M.S. Ferreira **154**: L1
Efthimiadis, K.G., S.C. Chadjivasiliou, K.G. Melidis, I.A. Tsoukalas, H. Bremers, S. Thamm, J. Hesse, On the influence of Al on the magnetic ground state of 3d ferromagnetic alloys **162**: 259
Eftimova, K., R. Laiho, K.G. Lisunov, E. Lähderanta, Clusters and lattice disorder in $Co_{0.5}Al_{0.5-x}Pd_x$: Influence to low-temperature magnetic properties **154**: 193

Eftimova, K., R. Laiho, E. Lähderanta, P. Nordblad, Low-temperature dynamic magnetic properties of $Pd_xCo_{50}Al_{50-x}$ alloys **166**: 179
Egoyan, A.E., see A.A. Mukhin **157/8**: 496
Eguchi, K., see H. Shoji **162**: 202
Eichler, A., see F.-W. Schaper **157/8**: 613
Eisenberg, M., see K. Tsutsumi **156**: 327
El-Ghanem, H., A.F. Lehlooh, M.R. Said, I. Abu-Aljarayesh, A local environmental effect in the Co(AlFe) system **169**: 130
El Hafidi, M., see B. El Houari **166**: 97
El Harfaoui, M., see K. Bouziane **165**: 284
El Harfaoui, M., see J. Ben Youssef **165**: 288
El-Hilo, M., see A.H. Thomas **151**: 54
El-Hilo, M., see R.W. Chantrell **157/8**: 250
El Hiti, M.A., Dielectric behavior and ac electrical conductivity of Zn-substituted Ni–Mg ferrites **164**: 187
El Hiti, M.A., see M.A. Ahmed **152**: 391
El Houari, B., M. Benhamou, M. El Hafidi, G. Chouteau, Para-ferrimagnetic transition in strong coupling paramagnetic systems: Landau theory approach **166**: 97
El Massalami, M., E.M. Baggio-Saitovitch, Magnetoresistance and the field-induced magnetic phase transitions in the re-entrant superconductor $HoNi_2B_2C$ **153**: 97
El Nimr, M.K., see M.A. Ahmed **152**: 391
El Yamani, M., see H. Lassri **163**: 339
El Yamani, M., see K. Bouziane **165**: 284
El Yamani, M., see J. Ben Youssef **165**: 288
Elefant, D., see T. Luciński **160**: 347
Elefant, D., see T. Luciński **162**: 29
Elk, K., The transverse susceptibility of textured polycrystals **157/8**: 369
Elkaïm, E., see A. Barbara **156**: 111
Elliott, M., see W. Zhang **165**: 330
Ellis, D.E., see Q. Shen **152**: 139
Elmers, H.J., see S. Zoll **156**: 231
Elmers, H.J., see U. Gradmann **165**: 56
Elmers, H.J., see K. Wagner **167**: 21
Elmouhssine, O., M. Freyss, P. Krüger, J.C. Parlebas, C. Demangeat, J. Khalifeh, A. Vega, A. Mokrani, Spin-polarization of thin Mn films on Fe(107) **156**: 199
Elmouhssine, O., see P. Krüger **156**: 91
Eloot, K., A. De Paepe, J. Dilewijns, C. Standaert, *Relation between magnetic properties and changes in dislocation and cell structure due to cold deformation* **157/8**: 459
Eloot, K., see A. De Paepe **160**: 129
Eloot, K., see C. Standaert **160**: 139
Emmerson, C.M., T.-H. Shen, A study of Co/Cu multilayer growth on Si(111) with silicide buffer layers **156**: 15
Emmerson, C.M., T.H. Shen, S.D. Evans, An in situ study of MBE grown metallic multilayers by simultaneous measurements of optical reflectance and reflection high energy electron diffraction **165**: 301
Emmerson, C., see I. Pape **156**: 373
Emoto, T., N. Hosoito, T. Shinjo, Spin penetration in Au layers: ^{119}Sn Mössbauer study of Co/Au multilayers **156**: 47
Emoto, T., see Y. Kobayashi **156**: 45
Emoto, T., see N. Hosoito **156**: 325
Encinas, A., see M. Sussiau **165**: 1
Endo, A., see T. Shimatsu **155**: 242
Endo, S., see M. Ishizuka **166**: 211
Engel, B.N., see C. Marlière **156**: 209
Englich, J., see H. Štěpánková **157/8**: 393
Englich, J., see K. Wagner **161**: 57
Enichlmair, H., see H. Krenn **157/8**: 561
Enokizono, M., A. Nishimizu, M. Oka, Estimation of fatigue level by rotational Barkhausen noise **160**: 43
Enokizono, M., T. Todaka, K. Nakamura, Flux distribution in a wound core of a single-phase transformer **160**: 61
Enokizono, M., S. Kanao, K. Shibao, Permeability tensor of high induction level in a rotational magnetic flux **160**: 73
Enokizono, M., see T. Kanada **160**: 77
Enokizono, M., see J. Zbroszczyk **160**: 141
Enzweiler, R., see S.Y. Lin **159**: 147
Erceg, Lj., see S. Sabolek **168**: 154
Ercole, A., T. Fujimoto, M. Patel, C. Daboo, R.J. Hicken, J.A.C. Bland, Direct measurement of magnetic anisotropies in epitaxial FeNi/Cu/Co spin-valve structures by Brillouin light scattering **156**: 121
Ercole, A., see M. Patel **156**: 53
Ercuta, A., see I. Mihalca **157/8**: 161
Eremenko, V., V. Fomin, V. Kurnosov, Analysis of two-magnon Raman scattering in quasi-one-dimensional chain antiferromagnet $CsMnCl_3 \cdot 2H_2O$ **157/8**: 484
Erenburg, S.B., N.V. Bausk, V.A. Varnek, L.G. Lavrenova, Influence of the electronic and spatial structure parameters on the spin-transition temperature in unusual chain iron(II) complexes **157/8**: 595
Erickson, R.P., see A. Berger **165**: 70
Eriksson, O., see O. Hjortstam **156**: 85
Ermakov, G.V., see B.M. Smolyak **153**: 311
Ermolenko, A.S., see A.G. Kuchin **159**: L309
Ermolenko, A.S., see M.I. Bartashevich **163**: 199
Ertl, K., see F. Passek **159**: 103
Eschrig, H., see I. Mertig **151**: 363
Esguerra, M., Computation of minor hysteresis loops from measured major loops **157/8**: 366
Espeso, J.I., J.A. Blanco, M. Reiffers, J. Rodríguez Fernández, J.C. Gómez Sal, New aspects of the magnetic evolution of the $CeNi_{1-x}Pt_x$ system **157/8**: 685

Espeso, J.I., see J. García Soldevilla **157/8**: 624
Essaidi, N., see V. Kottler **165**: 398
Estevez-Rams, E., see D. Holzer **169**: 303
Estrela, P., A.P. Gonçalves, M. Godinho, M. Almeida, J.C. Spirlet, Single crystal magnetisation of $UFe_{10}Mo_2$ **167**:L185
Estrela, P., see M. Godinho **157/8**: 690
Estrela, P., see J. Ayres de Campos **164**: 305
Étourneau, J., see R.P. Pinto **157/8**: 698
Etourneau, J., see D. Laffargue **170**: 155
Eugène, J., see C. Bellouard **165**: 312
Evans, S.D., see C.M. Emmerson **165**: 301
Evetts, J.E., see M.J. Hall **156**: 119
Eyert, V., see S.F. Matar **166**: 321
Eymery, J.P., see M. Rahmoune **165**: 237
Ezekwenna, P.C., M. Shumsky, W.J. James, Ph. l'Héritier, Thermal expansion anomalies in R_2Fe_{17} compounds before and after nitrogenation (R: Y and Sm) **168**: 149
Ezekwenna, P., see S. Kramp **157/8**: 73
Ezekwenna, P., see M. Febri **157/8**: 103
Ezersky, V., see E. Rozenberg **165**: 342

Fabrowski, R., see Z. Kletowski **166**: 361
Fagot, M., see A. Tanguy **157/8**: 37
Fähnle, M., Mapping of the density functional theory on the crystal field theory of rare earth systems **151**: L5
Fähnle, M., see H. Schmauder **151**: L1
Fähnle, M., see Y.T. Millev **152**: 293
Fähnle, M., see N. Börnsen **159**:L313
Fähnle, M., see T. Beuerle **159**:L318
Fähnle, M., see Y. Millev **163**:L264
Fähnle, M., see S. Buck **166**: 297
Faini, G., see V. Cros **165**: 512
Fåk, B., C. Vettier, J. Flouquet, F. Bourdarot, S. Raymond, A. Vernière, P. Lejay, Ph.Boutrouille, N.R. Bernhoeft, S.T. Bramwell, R.A. Fisher, N.E. Phillips, Influence of sample quality on the magnetic properties of URu_2Si_2 **154**: 339
Fåk, B., see A. Vernière **153**: 55
Falco, C.M., see C. Marlière **156**: 209
Fannin, P.C., S.W. Charles, T. Relihan, A study of the effect of an external magnetic field on the resonant frequency of magnetic fluids **162**: 319
Fannin, P.C., S.W. Charles, T. Relihan, On the broadband measurement of the permittivity and magnetic susceptibility of ferrofluids **167**: 274
Farberovich, O.V., see L.I. Kurkina **157/8**: 725
Farkas, J., see K.J. Kim **155**: 73
Farle, M., W. Platow, A.N. Anisimov, B. Schulz, K. Baberschke, The temperature dependence of magnetic anisotropy in ultra-thin films **165**: 74
Farle, M., see G. Garreau **156**: 81
Farle, M., see P. Poulopoulos **170**: 57
Farley, A.N., see M.S. Valera **157/8**: 555
Farley, A.N., see S.L. Tomlinson **157/8**: 557
Farrant, S.H., see D.C. Crew **163**: 299
Fastenau, R.H.J., E.J. van Loenen, Applications of rare earth permanent magnets **157/8**: 1
Faugières, J.C., see F. Mazaleyrat **159**: L33
Favieres, C., M.C. Sánchez, E. López, P. Sánchez, C. Aroca, Influence of substrate geometry on the magnetic properties of CoP cylindrical multilayers **157/8**: 329
Fawcett, E., see V.Yu. Galkin **159**: L23
Febri, M., P. Ezekwenna, P. Chaudouët, Ph. l'Héritier, J.C. Joubert, A new method of nitrogenation of RE–TM alloys via chemical reaction with sodium azide as an oxygen-free nitrogen source **157/8**: 103
Febri, M., B. Chenevier, J.C. Joubert, Synthesis of soft ferromagnetic nanocomposites by controlled diffusion-segregation in $Nd_2(Fe,Co)_{14}B$ **157/8**: 215
Febri, M., see S. Kramp **157/8**: 73
Fedoriv, V.D., see V.G. Kostishyn **160**: 361
Fedosyuk, V.M., D. Ravinder, H.J. Blythe, The influence of anneal and composition on the superparamagnetism of inhomogeneous CuCo films **156**: 77
Fedosyuk, V.M., O.I. Kasyutich, D. Ravinder, H.J. Blythe, Giant magnetoresistance in granular electrodeposited CuCo films **156**: 345
Fedosyuk, V.M., see H.J. Blythe **155**: 352
Fedosyuk, V.M., see J.M. Williams **155**: 355
Feher, A., see A. Orendáčová **157/8**: 583
Felner, I., Itinerant ferromagnetism in the Y–Ni–B–C system **157/8**: 622
Feng, D., see J.W. Feng **152**: 27
Feng, J.W., S.S. Kang, F.M. Pan, G.J. Jin, M. Lu, A. Hu, S.S. Jiang, D. Feng, Magnetic anisotropy of sputtered Ni/Ag multilayers **152**: 27
Feng, J.W., M. Lu, S.S. Kang, F.M. Pan, G.J. Jin, A. Hu, S.S. Jiang, Exchange coupling in sputtered Co/Ag(111) multilayers with in-plane uniaxial anisotropy **156**: 239
Feng, J.W., F.M. Pan, G.J. Jin, S.S. Kang, A. Hu, S.S. Jiang, Investigation of interlayer-exchange-dominated surface spin waves in Ni/Ag multilayers **156**: 241
Feng, J.W., see F.M. Pan **156**: 49
Feng, J.W., see S.S. Kang **166**: 277
Feng, Y.C., see D.E. Laughlin **155**: 146
Ferain, E., see L. Piraux **165**: 352
Férey, G., see M. Cavellec **163**: 173
Fèrey, G., see M. Cavellec **167**: 57
Férey, G., see M. Leblanc **167**: 71
Ferg, J., see S.Y. Lin **159**: 147
Fermon, C., see C. Train **156**: 87
Fermon, C., see F. Ott **165**: 475
Fermon, C., see C. Miramond **165**: 500
Fernández Barquín, L., J.M. Barandiarán, I. Telleria, J.C. Gómez Sal, A comparative study of the crystallization of Co–Si–B metallic glasses **160**: 297

Fernández-Gubieda, M.L., see P. Gorria **157/8**: 203
Fernengel, W., A. Lehnert, M. Katter, W. Rodewald, B. Wall, Examination of the degree of alignment in sintered Nd–Fe–B magnets by measurements of the remanent polarizations **157/8**: 19
Fernengel, W., see M. Velicescu **157/8**: 47
Ferrara, E., see V. Basso **157/8**: 217
Ferrara, E., see S. Crottier-Combe **160**: 151
Ferrara, E., see C. Beatrice **160**: 302
Ferrara, E., see B. Viala **160**: 315
Ferré, J., P. Meyer, M. Nyvlt, S. Visnovsky, D. Renard, Magnetooptic depth sensitivity in a simple ultrathin film structure **165**: 92
Ferré, J., see J. Mattsson **152**: 129
Ferré, J., see N. Bardou **156**: 139
Ferré, J., see M. Nývlt **156**: 175
Ferré, J., see J.A.C. Bland **156**: 177
Ferré, R., M. Hehn, K. Ounadjela, Nanoscale magnetic domains in mesoscopic dots: micromagnetic investigation of magnetisation processes **165**: 9
Ferré, R., see M. Hehn **165**: 5
Ferreira, I.C., see J. Ayres de Campos **164**: 305
Ferreira, L.P., see J. Ayres de Campos **164**: 305
Ferreira, M.S., J. d'Albuquerque e Castro, D.M. Edwards, J. Mathon, Non-RKKY oscillations of exchange coupling in magnetic multilayers **154**: L1
Ferrell, R.E., see H.-S. Li **166**: 365
Ferro, P., see F. Licci **164**: L268
Ferro, P., see M. Salvietti **165**: 230
Ferro, P., see F. Licci **170**: 240
Fert, A., S.-F. Lee, Spin injection: theory and application to Johnson's spin switch **165**: 115
Fert, A., see J.L. Duvail **151**: 324
Fert, A.R., see B. Raquet **156**: 197
Fert, A., see L. Piraux **156**: 317
Fert, A., see L. Piraux **159**: L287
Fert, A.R., see K. Postava **163**: 8
Fert, A., see S. Dubois **165**: 30
Fert, A., see V. Dupuis **165**: 42
Fert, A., see K. Bouziane **165**: 284
Fert, A., see J. Ben Youssef **165**: 288
Fert, A., see F. Fettar **165**: 316
Fert, A., see L. Piraux **165**: 352
Fert, A.R., see M.D. Ortega **165**: 487
Fert, A., see V. Cros **165**: 512
Fettar, F., L.B. Steren, A. Barthélémy, R. Morel, A. Fert, J.A. Barnard, J.D. Jarratt, Giant magnetoresistance in $Co_{90}Fe_{10}$/Ag multilayers with discontinuous magnetic layers **165**: 316
Feutrill, E.H., see P.G. McCormick **157/8**: 7
Fidler, J., see R. Fischer **153**: 35
Fidler, J., see T. Schrefl **155**: 389
Fidler, J., see M. Matzinger **157/8**: 54
Fidler, J., see T. Schrefl **157/8**: 331
Fidler, J., see C. Burkhardt **169**: 69
Figiel, H., see K. Turek **157/8**: 65
Figiel, H., see Cz. Kapusta **157/8**: 109
Filimonov, D.S., see L.I. Koroleva **157/8**: 475
Filip, S., see I. Ardelean **157/8**: 165
Filip, S., see I. Ardelean **157/8**: 239
Filipozzi, L., see L. Piraux **156**: 317
Filoti, G., see I. Mihalca **157/8**: 161
Filoti, G., see M. Seqqat **157/8**: 225
Finazzi, M., F. Yubero, P. Bencok, F. Chevrier, K. Hricovini, F. Ciccacci, G. Krill, X-ray magnetic circular dichroism of vanadium thin films grown on Ag(100) and Fe(100) **165**: 78
Finazzi, M., E. Kolb, J. Prieur, Ch. Boeglin, K. Hricovini, G. Krill, C. Chappert, J.-P. Renard, X-ray circular dichroism of thin $Fe_{0.82}V_{0.18}$ interlayers in Au(111) **165**: 373
Finazzi, M., see S. Andrieu **165**: 191
Fiorani, D., F. Malizia, F. Ronconi, M. Vittori Antisari, Magnetic properties of partially crystallized $Fe_{80}B_{20}$ amorphous alloys **157/8**: 159
Fiorani, D., see J. Mira **164**: 241
Fiorillo, F., Advances in Fe–Si properties and their interpretation **157/8**: 428
Fiorillo, F., see J. Sievert **160**: 115
Fiorillo, F., see S. Crottier-Combe **160**: 151
Fiorillo, F., see C. Beatrice **160**: 302
Fiorillo, F., see B. Viala **160**: 315
Fischer, H., see A. Michel **156**: 23
Fischer, H., see R. Schad **156**: 339
Fischer, H.M., see A. Déchelette-Barbara **165**: 87
Fischer, H.M., see S. Andrieu **165**: 185
Fischer, H., see S. Andrieu **165**: 191
Fischer, P., see R. Przeniosło **160**: 370
Fischer, P., see I. Sosnowska **160**: 382
Fischer, P., see I. Sosnowska **160**: 384
Fischer, R., T. Schrefl, H. Kronmüller, J. Fidler, Grain-size dependence of remanence and coercive field of isotropic nanocrystalline composite permanent magnets **153**: 35
Fisenko, O.G., see L.P. Ol'khovik **154**: 365
Fisher, R.A., see B. Fâk **154**: 339
Fjærestad, J.O., A. Brataas, G.E.W. Bauer, Semiclassical scattering theory of parallel transport in metallic magnetic multilayers **156**: 387
Flack, T.J., see B. Baholo **157/8**: 444
Flanders, P.J., see L. He **155**: 6
Fleischhauer, P., S. Gehring, C. Saal, W. Haase, Z. Tomkowicz, C. Zanchini, D. Gatteschi, D. Davidov, A.L. Barra, EPR investigations of trinuclear Cu(II) complexes with quartet ground states **159**: 166
Flevaris, N.K., see P. Poulopoulos **163**: 27
Flevaris, N.K., see M. Angelakeris **165**: 334
Flouquet, J., see A. Vernière **153**: 55
Flouquet, J., see B. Fâk **154**: 339
Flynn, C.P., see K. Theis-Bröhl **166**: 27

Fnidiki, A., J.S. Douheret, J. Teillet, H. Lassri, R. Krishnan, Mössbauer study of Fe/Pt multilayers **156**: 41

Fnidiki, A., J. Juraszek, J. Teillet, F. Richomme, J.P. Lebertois, Effect of annealing on the magnetic and structural properties of amorphous Fe/Tb multilayers **165**: 405

Fnidiki, A., see F. Richomme **156**: 181

Fnidiki, A., see G. Ravach **157/8**: 173

Fnidiki, A., see V. De Pauw **169**: 82

Folks, L., R. Street, R.C. Woodward, K. Babcock, Magnetic force microscopy images of high-coercivity permanent magnets **159**: 109

Fomicheva, L., see H. Nakamura **168**: 182

Fomin, V., see V. Eremenko **157/8**: 484

Fonseca, L.F., R.I. Rodriguez, Study of the enhancement effects of composite films on the magneto-optical Kerr effect **161**: 379

Fontaine, A., see S. Pizzini **157/8**: 313

Fontaine, A., see J. Vogel **165**: 96

Fontaine, A., see S. Pizzini **166**: 38

Fontcuberta, J., see A. Seffar **157/8**: 260

Fontijn, W.F.J., P.A.A. van der Heijden, F.C. Voogt, T. Hibma, P.J. van der Zaag, Comparison of a stoichiometric analysis of $Fe_{3-\delta}O_4$ layers by magneto-optical Kerr spectroscopy with Mössbauer results **165**: 401

Formoso, A., see J. Dufour **157/8**: 125

Forsthuber, M., H. Nakamura, M. Shiga, E. Bauer, Nuclear resonance measurements of $CePd_2Ga_3$ and $LaPd_2Ga_3$ **157/8**: 681

Forsthuber, M., see A. Leithe-Jasper **170**: 189

Fox, D., see A. Khanlou **160**: 159

Fox, S.P., P.J. Grundy, Magnetic interactions and microstructure in CoCrPt discs **155**: 179

Fraga, G.L.F., see M.A.S. Boff **153**: 135

Fraisse, H., see M.A. Peccolo **160**: 47

Frait, Z., P. Sturc, Investigation of the magnetoelastic properties of $Fe_{60}Ni_{20}B_{20}$ amorphous alloy by ferromagnetic resonance **157/8**: 533

Frait, Z., see F. Schreiber **157/8**: 281

Franklin, D.R., J.P. Anderton, A.J. Pointon, Experimental evidence for a relationship between Lotgering index and ferromagnetic resonance linewidth **159**: L51

Franse, J.J.M., see L.D. Tung **154**: 96

Franse, J.J.M., see C. Marquina **157/8**: 403

Franse, J.J.M., see N.-T.H. Kim-Ngan **157/8**: 407

Franse, J.J.M., see F.E. Kayzel **157/8**: 409

Franse, J.J.M., see C.V. Thang **157/8**: 643

Franse, J.J.M., see C.V. Thang **157/8**: 645

Franse, J.J.M., see Z. Tarnawski **157/8**: 663

Fratucello, G.B., see A.M. Prandini **165**: 216

Fredrikze, H., see A. van der Graaf **155**: 303

Freeman, A.J., see X. Wang **159**: 337

Freeman, A.J., see R. Wu **161**: 89

Freeman, A.J., see R. Wu **170**: 103

Freijo, J.J., see C. Prados **156**: 369

Freisem, S., A. Brockhoff, D.G. de Groot, B. Dam, J. Aarts, Magnetic and transport properties of sputtered $La_{0.67}Ca_{0.33}MnO_3$ thin films **165**: 380

Freitas, P.P., see M.M.P. de Azevedo **156**: 357

Freitas, P.P., see M.M.P. de Azevedo **157/8**: 276

Freitas, P.P., see S. Li **165**: 363

Freyss, M., see O. Elmouhssine **156**: 199

Frost, B.G., see E. Lunedei **157/8**: 434

Fruchart, D., see B. García-Landa **157/8**: 21

Fruchart, D., see S. Liesert **157/8**: 57

Fruchart, D., see E. Tomey **157/8**: 113

Fruchart, D., see E. Tomey **157/8**: 115

Fruchart, D., see B. García-Landa **157/8**: 121

Fruchart, D., see J. Tobola **157/8**: 708

Fruchart, D., see J. Ayres de Campos **164**: 305

Fruchart, O., J.-P. Nozières, D. Givord, Temperature-driven in-plane anisotropy reorientation transition in Fe(110) films **165**: 508

Fu, Y.-j., see J. Zhi **153**: 315

Fuess, H., see C. Heid **151**: 123

Fujii, H., see T. Hiraoka **153**: 124

Fujii, H., see K. Koyama **161**: 118

Fujikura, M., H. Sawairi, T. Sato, Influence of Sn addition on the magnetic properties of amorphous Fe–Si–B alloys containing Ti **160**: 289

Fujikura, M., see T. Sato **157/8**: 211

Fujimori, H., S. Mitani, S. Ohnuma, Tunnel-type GMR in Co–Al–O insulated granular system – Its oxygen-concentration dependence **156**: 311

Fujimori, H., see Y. Hayakawa **154**: 175

Fujimori, H., see S. Mitani **156**: 7

Fujimori, H., see G. Oomi **156**: 402

Fujimori, H., see T. Sugawara **159**: 95

Fujimori, H., see S. Mitani **165**: 141

Fujimoto, T., M. Patel, J.A.C. Bland, E. Gu, C. Daboo, Spin-flip scattering in uncoupled single $Fe_{20}Ni_{80}$/Cu/Co trilayers with uniaxial anisotropy **156**: 365

Fujimoto, T., see M. Patel **156**: 53

Fujimoto, T., see A. Ercole **156**: 121

Fujita, A., see M. Matzinger **157/8**: 54

Fujitani, D., see T. Katayama **156**: 171

Fujiwara, H., see L. He **155**: 6

Fujiwara, K., see K. Matsubara **160**: 41

Fujiwara, K., see T. Nakata **160**: 177

Fujiwara, K., see K. Matsubara **160**: 185

Fujiwara, Y., see K. Umeda **156**: 75

Fujiwara, Y., see M. Jimbo **165**: 304

Fujiwara, Y., see M. Jimbo **165**: 308

Fukagawa, T., see H. Yashiki **160**: 127

Fukamichi, K., see H. Sato **152**: 109

Fukuda, H., see T. Tsutaoka **167**: 249

Fukunaga, H., H. Ochiai, Y. Kanai, F. Yamashita, T. Yoshimura, Flux stability of a Nd–Fe–B based magnet consolidated from a mixture of isotropic and anisotropic powders **157/8**: 63

Fukunaga, H., T. Aikawa, S. Nagaoka, Y. Kanai, Improvement in hard magnetic properties of rapidly quenched Sm–Fe–N flakes by Zn-coating **157/8**: 105
Fukunaga, H., see J. Zbroszczyk **160**: 277
Fukushima, H., see Y. Nakatani **168**: 347
Fullerton, E.E., see A. Berger **165**: 471
Fulmek, P.L., H. Hauser, Magnetization calculations of (110)[001] FeSi sheets in different directions by statistical domain behaviour **157/8**: 361
Fulmek, P.L., H. Hauser, Magnetization reversal in an energetic hysteresis model **160**: 35
Fulmek, P.L., see H. Hauser **155**: 34
Funayama, T., see R.Y. Lü **151**: 33
Futamoto, M., see K. Yamanaka **152**: 411
Futamoto, M., see K. Tanahashi **153**: 265
Futamoto, M., see K. Kimoto **159**: 401
Futamoto, M., see N. Inaba **168**: 222
Füzer, J., P. Matta, P. Kollár, P. Sovák, M. Konč, The influence of chromium content on the structure and magnetic properties of nanocrystalline $Fe_{74-x}Cr_xCu_1Nb_3Si_{13}B_9$ alloys **157/8**: 205
Füzer, J., see P. Kollár **157/8**: 213

Gaiduk, S., see L. Sheiko **157/8**: 457
Gaiduk, S., see L. Sheiko **168**: 121
Gailhanou, M., see A. Déchelette-Barbara **165**: 87
Gaines, J.M., J.T. Kohlhepp, P.J.H. Bloemen, R.M. Wolf, A. Reinders, R.M. Jungblut, A scanning tunneling microscopy investigation of MBE-grown Fe_3O_4(001) **165**: 439
Gaines, J.M., see P.A.A. van der Heijden **159**: L293
Galatanu, A., see N. Plugaru **162**: 50
Galateanu, A., see M. Valeanu **157/8**: 383
Gałązka, R.R., see P. Łazarczyk **169**: 151
Galez, P., see J. García Soldevilla **157/8**: 624
Galkin, V.Yu., P.C. de Camargo, N. Ali, J. Schaf, E. Fawcett, Magnetic behavior of spin-density-wave $(Cr + 2.7\%\ Fe)_{1-x}(V,Mn)_x$ alloys **159**: L23
Galkin, V.Yu., see A.J.A. de Oliveira **152**: 86
Gall, H.L., see S.P. Pogossian **152**: 305
Gallego, J.M., S. Kim, D. Lederman, I.K. Schuller, Oscillations of the transport properties in Ni/Co superlattices **156**: 397
Gallego, J.M., see J.M. González **156**: 145
Galtier, P., see M. Sussiau **165**: 1
Gama, S., see D. Aliaga-Guerra **157/8**: 186
Gama, S., see A.A. Coelho **163**: 87
Gan'shina, E.A., V.S. Guschin, S.A. Kirov, Magneto-optical properties and electronic structure of Fe–Co–Si–B alloys **157/8**: 243
Gan'shina, E.A., A.B. Granovsky, V.S. Guschin, N.S. Perov, A.A. Radkovskaya, Magnetic and magnetooptical properties of $(Fe_{30}Co_{70})_xAg_{1-x}$ systems **160**: 335
Gan'shina, E., A. Granovsky, V. Guschin, N. Perov, B. Dieny, Influence of the size and shape of magnetic particles on magneto-optical properties of $(Co_{70}Fe_{30})_xAg_{1-x}$ granular alloys **165**: 320
Gan'shina, E., V. Guschin, S. Kirov, N. Perov, N. Syr'ev, F. Brouers, Magnetic, magnetooptical properties and FMR in multilayer films $(Ni_{81}Fe_{19})10$ Å/Ag t **165**: 346
Gangopadhyay, S., M.T. Kief, J.A. Barnard, M.R. Parker, Effect of various sputtering gases on giant magnetoresistance in $(Co_{90}Fe_{10}/Cu)_8$ multilayers **161**: 43
Ganne, J.P., see R. Lebourgeois **160**: 329
Ganot, F., see P. Djemia **165**: 428
Gao, R.W., see H. Li **163**: 125
Gao, Y.-F., see J. Tan **164**: 211
Garcia, L.M., see S. Pizzini **166**: 38
García, A., see M. Rodríguez **157/8**: 177
García, D., see C. Prados **156**: 369
García, J., see J. Chaboy **166**: 149
García, J.A., see M. Tejedor **157/8**: 179
García, J.A., see M. Tejedor **160**: 309
García, J.L., A. López, F.J. Lázaro, C. Martínez, A. Corma, Iron oxide particles in large pore zeolites **157/8**: 272
García-Arribas, A., see M. Tejedor **157/8**: 141
García-Arribas, A., see J. Gutiérrez **157/8**: 543
García del Muro, M., see X. Batlle **157/8**: 191
García-Landa, B., E. Tomey, D. Fruchart, D. Gignoux, R. Skolozdra, Magnetic properties of $RFe_{10.5}Mo_{1.5}$ single crystals (R = Dy, Er) **157/8**: 21
García-Landa, B., R. Skolozdra, D. Fruchart, D. Gignoux, J.L. Soubeyroux, Magnetic and structural properties of new interstitial $RCo_9Si_2C_x$ compounds (R = Y, Nd, Sm) **157/8**: 121
García-Muñoz, J.L., see A. Seffar **157/8**: 260
García-Palacios, J.L., see P. Svedlindh **169**: 323
García Soldevilla, J., J.I. Espeso, J. Rodríguez-Fernandez, J.C. Gómez Sal, J.A. Blanco, P. Galez, D. Paccard, Magnetic properties of a new series of Nd-based compounds $NdNi_{1-x}Cu_x$ **157/8**: 624
Garitaonaindia, J.S., see J. Gutiérrez **157/8**: 543
Garnier, A., D. Gignoux, D. Schmitt, T. Shigeoka, Comparative study of the complex magnetic properties of RRu_2X_2 (R = rare earth; X = Si, Ge) **157/8**: 389
Garnier, A., D. Gignoux, J.L. de la Peña, D. Schmitt, Magnetic properties of hexagonal PrAlGa **167**: 52
Garreau, G., V. Schorsch, E. Beaurepaire, F. Scheurer, B. Carrière, M. Farle, Growth and magnetic properties of Tb deposited on fcc Co **156**: 81
Garwin, E.L., see H.C. Siegmann **151**: L8
Gatalskaya, V.I., see M. Baran **166**: 124
Gatteschi, D., see P. Fleischhauer **159**: 166
Gaugitsch, M., H. Hauser, F. Haberl, J. Hochreiter, Magneto-optic light modulation for refraction measurements by thin iron films **157/8**: 438

Gautard, D., G. Couderchon, L. Coutu, 50–50 CoFe alloys: magnetic and mechanical properties **160**: 359
Gautier, F., see L. Pizzagalli **154**: 213
Gautier, F., see D. Stoeffler **156**: 114
Gautier, F., see C.C. Cornea-Borodi **165**: 450
Gaviko, V.S., A.V. Korolyov, N.V. Mushnikov, X-ray diffraction investigation of spin reorientation in $SmFe_2$ **157/8**: 659
Gaviko, V.S., see N.V. Mushnikov **167**: 93
Gavoille, G., see S. Koutani **152**: 54
Gavoille, G., see I. Mirebeau **169**: 279
Gawior, W., M. Woch, R. Kolano, N. Wójcik, The structure and magnetic properties of $Fe_{82.5-x}Cu_1Nb_3Si_{13.5}B_x$ alloys **157/8**: 207
Gawior, W., see R. Kolano **160**: 213
Gawroński, M., see K. Brzózka **157/8**: 167
Gayoso, M., see S. Castro **152**: 61
Ge, S.-H., Y.-Y. Lü, Z.-Z. Zhang, C.-X. Li, T. Xu, J.-Z. Zhao, Giant magnetoresistance and microstructure of Co–Cu and FeCo–Cu granular films **168**: 35
Ge, W.Q., see C.H. Wu **163**: 360
Ge, Y.-W., see H.-S. Li **153**: 329
Gebel, B., see D. Eckert **157/8**: 93
Gebel, B., see N.M. Dempsey **157/8**: 99
Gebel, B., see K.-H. Müller **157/8**: 117
Geerts, W., see N. Bardou **156**: 139
Geerts, W., see T. Katayama **156**: 158
Geerts, W., see T. Katayama **156**: 171
Geertsma, W., On the theory of exchange interactions in organometallic compounds. Part I **151**: 67
Gehring, G.A., see S.J. Robinson **156**: 133
Gehring, G.A., see D.J. Roberts **156**: 293
Gehring, S., see P. Fleischhauer **159**: 166
Gelin, Ph., see P. Laurent **160**: 63
Gemperle, R., see R. Gerber **157/8**: 295
Gemperle, R., see V. Kamberský **157/8**: 301
Genkin, G.M., I.D. Tokman, Quantum tunneling by magnetostatic interaction of fine ferroparticles (clusters) **154**: 133
George, B., see E. Majkova **156**: 415
George, B., see C. Bellouard **165**: 312
George, J.M., see S. Dubois **165**: 30
George, J.M., see L. Piraux **165**: 352
Georgescu, V., V. Mazur, O. Cheloglu, Preparation and magnetic properties of electrodeposited Co/Pt multilayers **156**: 27
Georgiev, D., V.V. Nietz, Observation of hysteresis at the spin-flop transition induced by a pulsed magnetic field **154**: 119
Gerber, A., see R.Z. Levitin **170**: 223
Gerber, R., T. Reid, R. Atkinson, P. Papakonstantinou, J. Šimšová, M. Čerňanský, R. Gemperle, K. Jurek, V. Studnička, Structural and magnetic properties of $BaCo_xTi_yFe_{12-x-y}O_{19}$ films **157/8**: 295
Gerber, R., see P. Papakonstantinou **152**: 401
Gerhardt, R., see N. Bahlmann **161**: 22
Gerhardt, R., see K. Wagner **161**: 57
Geröcs, I., see I. Bakonyi **156**: 347
Geshev, J., L. Bozukov, J.M.D. Coey, M. Mikhov, Hysteresis of ball-milled $TbFe_2$ fine particles **170**: 219
Gester, M., C. Daboo, S.J. Gray, J.A.C. Bland, Formation of pyramid-like structures in the growth of epitaxial Fe/GaAs(001) films **165**: 242
Gester, M., K. Ounadjela, J.F. Gregg, S.M. Thompson, Anisotropic giant magnetoresistance in granular CoAg films **165**: 323
Gester, M., see L. Louail **165**: 387
Gester, M., see S. Zoll **165**: 442
Getzlaff, M., J. Bansmann, J. Braun, G. Schönhense, Spin resolved photoemission study of Co(0001) films **161**: 70
Gewinner, G., see P. Schieffer **165**: 180
Gewinner, G., see S. Hong **165**: 212
Ghatak, S.K., see S. Palit **166**: 186
Ghatak, S.K., see K. Mandal **167**: 264
Ghigo, F., see P. Allia **157/8**: 319
Ghosh, K., see S. Ramakrishnan **152**: 375
Ghoshray, A., see S. Giri **157/8**: 411
Ghoshray, K., see S. Giri **157/8**: 411
Gibbs, M.R.J., see V. Hašlar **153**: 63
Gibbs, M.R.J., see J.K. Hong **156**: 55
Gibbs, M.R.J., see H.J. Hatton **156**: 67
Gibbs, M.R.J., see C. Shearwood **162**: 147
Gibbs, M.R.J., see J.A. Cowen **165**: 383
Gieniusz, R., J.M. Desvignes, R. Jabłoński, Microwave excitations in Bi-doped garnet films **153**: 50
Gieres, G., see S. Parhofer **163**: 32
Gieres, G., see H.A.M. van den Berg **165**: 524
Giergiel, J., see J. Shen **156**: 104
Giergiel, J., see A. Kirilyuk **159**: L27
Giesbers, J.B., see M.A.M. Gijs **151**: 333
Giesbers, J.B., see M.A.M. Gijs **165**: 360
Gignoux, D., see L. Morellon **153**: 17
Gignoux, D., see B. García-Landa **157/8**: 21
Gignoux, D., see E. Tomey **157/8**: 113
Gignoux, D., see E. Tomey **157/8**: 115
Gignoux, D., see B. García-Landa **157/8**: 121
Gignoux, D., see A. Garnier **157/8**: 389
Gignoux, D., see F.E. Kayzel **157/8**: 409
Gignoux, D., see A. Garnier **167**: 52
Gijs, M.A.M., S.K.J. Lenczowski, J.B. Giesbers, R.J.M. van de Veerdonk, M.T. Johnson, R.M. Jungblut, A. Reinders, R.M.J. van Gansewinkel, Perpendicular giant magnetoresistance using microlithography and substrate patterning techniques **151**: 333
Gijs, M.A.M., A. Reinders, R.M. Jungblut, W. Oepts, W.J.M. de Jonge, Perpendicular giant magnetoresistance in magnetic multilayers deposited on grooved substrates **165**: 17

Gijs, M.A.M., J.B. Giesbers, P. Beliën, J.W. van Est, J. Briaire, L.K.J. Vandamme, 1/*f* noise in magnetic $Ni_{80}Fe_{20}$ single layers and $Ni_{80}Fe_{20}$/Cu multilayers **165**: 360
Gijs, M.A.M., see W. Oepts **165**: 356
Gil, J.M., see J. Ayres de Campos **164**: 305
Gilewski, A., see E. Talik **157/8**: 405
Gilles, B., see O. Thomas **156**: 31
Gillies, M.F., J.N. Chapman, J.C.S. Kools, The stabilisation of a magnetic vortex using a large vertical field **161**: L17
Gillon, P., see M. Bonvalot **151**: 283
Gilly, H., see S. Odenbach **152**: 123
Gilson, R.G., see A.P. Warren **155**: 117
Gilson, R.G., see A.P. Warren **159**: 381
Giordano, N., see K. Hong **151**: 396
Giri, S., K. Ghoshray, A. Ghoshray, N. Chatterjee, Magnetic susceptibility of $KMFeF_6$ ($M = Co^{2+}$, Mn^{2+}) systems **157/8**: 411
Girt, Er., Z. Altounian, M. Mao, I.P. Swainson, R.L. Donaberger, Neutron diffraction study of Fe substitutions in $Nd_2Fe_{17-\delta}X_\delta$ (X = Al, Si, Ga, Mo, W) **163**:L251
Givord, D., O.F.K. McGrath, C. Meyer, J. Rothman, Interface magnetic anisotropy **157/8**: 245
Givord, D., J. Betz, K. Mackay, J.C. Toussaint, J. Voiron, S. Wüchner, Properties of rare-earth–transition-metal sandwich films **159**: 71
Givord, D., see N.H. Duc **151**: L13
Givord, D., see J.M. González **156**: 145
Givord, D., see K. Kobayashi **157/8**: 97
Givord, D., see N.H. Duc **157/8**: 169
Givord, D., see S. Jaren **165**: 172
Givord, D., see J. Rothman **165**: 202
Givord, D., see O. Fruchart **165**: 508
Givord, D., see C. Bordel **169**: 350
Gjoka, M., see V. Psycharis **153**: 75
Gladczuk, L., see R. Szymczak **157/8**: 706
Gładczuk, L., I. Krynetskii, G.A. Petrakovskii, K. Sablina, H. Szymczak, A. Vorotunov, Magnetostriction in the spin-Peierls state of $CuGeO_3$ single crystals **168**: 316
Gladyszewski, G., J. Barnaś, K. Temst, G. Verbanck, R. Schad, P. Beliën, E. Kunnen, F. Bodart, Y. Bruynseraede, Modification of structure, electric and magnetic properties of epitaxially grown Ag(001)/Fe(001) superlattices **156**: 381
Gladyszewski, G., see R. Schad **156**: 341
Glasgow, P.D., see K.J. Kim **155**: 73
Glijer, P., see K. Sin **155**: 209
Godinez, D., see C.E. Zaspel **162**: 91
Godinho, M., P. Estrela, A.P. Gonçalves, M. Almeida, J.C. Spirlet, G. Bonfait, Anomalous magnetisation process in UFe_4Al_8 probed by magnetisation and magnetoresistance **157/8**: 690
Godinho, M., see M. Seqqat **157/8**: 225
Godinho, M., see A.P. Gonçalves **157/8**: 692
Godinho, M., see J. Ayres de Campos **164**: 305
Godinho, M., see P. Estrela **167**:L185
Godovikov, S.K., see E.P. Yelsukov **166**: 334
Goff, J.P., C. Bryn-Jacobsen, R.A. Cowley, D.F. McMorrow, R.C.C. Ward, M.R. Wells, The magnetic structure and interactions in Nd/Pr superlattices **156**: 263
Goiran, M., see B. Raquet **156**: 197
Goiran, M., see K. Postava **163**: 8
Goiran, M., see M.D. Ortega **165**: 487
Göktürk, H., K. Maki, Evaluation of a magnetic dispersion by interparticle interactions **154**: 279
Göktürk, H., K. Maki, Surface properties and particle interactions of metal magnetic powders **167**: 166
Göl, Ö., Discrete circuit modelling of electrical machines **160**: 68
Göl, Ö., see A. Nafalski **160**: 154
Goldfarb, I., Limits of kinematic modelling of superlattice period due to Laue function convergence [1] **159**: 90
Goleman, R., Basic properties of a single-phase hybrid motor prototype **160**: 75
Golosovsky, I.V., B.E. Kvyatkovsky, S.V. Sharygin, I.S. Dubenko, R.Z. Levitin, A.S. Markosyan, E. Gratz, I. Mirebeau, I.N. Goncharenko, F. Bouree, Neutron diffraction study of magnetic ordering and phase transitions in $TmCo_2$: Instability of 4f-magnetism **169**: 123
Golshayan, A.K., see P.T. Por **161**: 367
Golyshev, V.Yu., A.F. Popkov, Quantum coherence and macroscopic spin tunneling in a weakly ferromagnetic fine particle **157/8**: 340
Gomes, A.A., see M.A.S. Boff **153**: 135
Gomes, A.A., see C.M. da Silva **162**: 107
Gómez-Polo, C., J. Arcas, M. Vázquez, A. Hernando, A critical current sensor based on the Matteucci effect of a toroidal Fe-rich amorphous wire **160**: 194
Gómez-Polo, C., see A. Zhukov **157/8**: 143
Gómez-Polo, C., see M. Knobel **160**: 243
Gómez-Polo, C., see M. Vázquez **164**: 319
Gómez Sal, J.C., see J. García Soldevilla **157/8**: 624
Gómez Sal, J.C., see J.I. Espeso **157/8**: 685
Gómez Sal, J.C., see L. Fernández Barquín **160**: 297
Gonçalves, A.P., M. Almeida, A. Amaro, M. Godinho, J.A. Paixão, J.C. Spirlet, A new magnetic intermetallic compound: UFe_6Ga_6 **157/8**: 692
Gonçalves, A.P., see M. Godinho **157/8**: 690
Gonçalves, A.P., see P. Estrela **167**:L185
Goncharenko, I.N., see I.V. Golosovsky **169**: 123
Gong, H.-y., see B.-g. Shen **151**: 111
Gong, H.-y., see B.-g. Shen **153**: 332
Gonschorek, W., see C. Heid **151**: 123
Gontarz, R., see K. Chrzumnicka **160**: 349
Gonzalez-Jimenez, F., see J.C. Woolley **164**: 154

González, J., see J.M. González **157/8**: 363
Gonzalez, J., see P. Quintana **160**: 245
Gonzalez, J., see K. Kulakowski **162**: 355
González, J., see P. Aragoneses **168**: 177
González, J., see O.A. Chubykalo **169**: 169
González, J.M., R. Smirnov-Rueda, J.M. Gallego, D. Givord, F. Robaut, Magnetization processes in ultrathin films with high magnetization and perpendicular anisotropy **156**: 145
González, J.M., R. Ramírez, R. Smirnov-Rueda, J. González, Modelling the time dependence of the magnetization in a system with many degrees of freedom **157/8**: 363
González, J.M., see D.R. Cornejo **157/8**: 529
González, J.M., see O.A. Chubykalo **169**: 169
Goñi, A., L. Lezama, G.E. Barberis, J.L. Pizarro, M.I. Arriortua, T. Rojo, Magnetic properties of the $LiMPO_4$ (M = Co, Ni) compounds **164**: 251
Goosev, M.Yu., see R.M. Grechishkin **157/8**: 305
Gornakov, V.S., V.I. Nikitenko, V.T. Synogach, Dynamical changes of the local potential well of a polarized domain wall **153**: 320
Görnert, P., see X. Batlle **157/8**: 191
Görnert, P., see P.T. Por **161**: 367
Görnert, P., see J. Taubert **168**: 187
Gorobets, Yu.I., A.N. Kuchko, I.G. Salkov, Modification of surface structure in the magnetic film–magnetic tip system of a scanning tunneling microscope **157/8**: 303
Gorochov, O., see S. Merah **161**: 239
Gorria, P., I. Orúe, M.L. Fernández-Gubieda, F. Plazaola, N. Zabala, J.M. Barandiarán, Stress and annealing induced changes in the Curie temperature of amorphous and nanocrystalline FeZr and FeNb based alloys **157/8**: 203
Gościańska, I., H. Ratajczak, P. Sovák, P. Matta, M. Konč, Magnetic thin films of Fe–(Cu–U)–Si–B alloy **157/8**: 321
Gościańska, I., see K. Chrzumnicka **160**: 349
Gotaas, J.A., see A.P. Warren **155**: 19
Gotaas, J.A., see S.R. McConochie **155**: 89
Gotaas, J.A., see A.P. Warren **159**: 381
Goto, T., see M.I. Bartashevich **163**: 199
Goto, T., see N.V. Mushnikov **167**: 229
Goto, T., see A.V. Andreev **169**: 229
Goulon, J., see J. Vogel **165**: 96
Gourrièrec, P.L., see O. Acher **157/8**: 480
Gouvêa, M.E., A.S.T. Pires, Planar rotator system in two dimensions with long-range interactions **162**: 225
Goveas, N., P. Mukhopadhyay, G. Mukhopadhyay, Study of RE iron garnets using a modified BPW method **159**: 135
Goveas, N., G. Mukhopadhyay, Study of spinels using the BPW method **167**: 269
Govindaraju, M.R., see A. Mitra **153**: 231
Gradmann, U., T. Dürkop, H.J. Elmers, Magnetic moments and anisotropies in smooth and rough surfaces and interfaces **165**: 56
Gradmann, U., see K. Wagner **167**: 21
Grahl, H., see M. Müller **160**: 284
Grandjean, F., see G.J. Long **162**: 162
Grandjean, F., see S.R. Mishra **162**: 167
Granovskiy, S.A., see I.S. Dubenko **157/8**: 629
Granovsky, A., R. Vasilieva, Transport phenomena in Fe–Co–Si–B amorphous ferromagnetic alloys **161**: 195
Granovsky, A., F. Brouers, A. Kalitsov, M. Chshiev, Extraordinary Hall effect in magnetic granular alloys **166**: 193
Granovsky, A., see B. Dieny **151**: 378
Granovsky, A.B., see E.A. Gan'shina **160**: 335
Granovsky, A., see E. Gan'shina **165**: 320
Granovsky, A.B., see M.V. Prudnikova **166**: 201
Gratz, E., see I.S. Dubenko **157/8**: 629
Gratz, E., see H. Nakamura **157/8**: 657
Gratz, E., see R. Hauser **157/8**: 679
Gratz, E., see I.V. Golosovsky **169**: 123
Gravereau, P., see D. Laffargue **170**: 155
Gray, J.S., see J.A.C. Bland **156**: 177
Gray, S.J., see M. Gester **165**: 242
Greaves, S.J., K. O'Grady, Determination of pigment dispersion microstructure by magnetic measurements **155**: 120
Greaves, S.J., see K. O'Grady **156**: 253
Grechishkin, R.M., M.Yu. Goosev, S.E. Ilyashenko, N.S. Neustroev, High-resolution sensitive magneto-optic ferrite–garnet films with planar anisotropy **157/8**: 305
Grechishkin, R.M., see N.P. Suponev **157/8**: 376
Grechnev, G.E., A.S. Panfilov, N.V. Savchenko, I.V. Svechkarev, A. Czopnik, A. Hackemer, Magnetovolume effect in paramagnetic alloys of $CeIn_{3-x}Sn_x$ **157/8**: 677
Grechnev, G.E., A.S. Panfilov, I.V. Svechkarev, D. Kaczorowski, R. Troć, A. Czopnik, Effect of pressure on magnetic properties of $U(Ga_{1-x}Sn_x)_3$ alloys **157/8**: 702
Grechnev, G.E., A.S. Panfilov, I.V. Svechkarev, Pressure effect on the itinerant magnetism of MnSi and FeSi **157/8**: 711
Greenough, R.D., see J.P. Hayes **157/8**: 531
Greer, A.L., see J. Speakman **156**: 411
Greer, A.L., see J.S. Conyers **156**: 419
Gregg, J., see K. Ounadjela **156**: 267
Gregg, J.F., see W. Allen **165**: 121
Gregg, J.F., see M. Gester **165**: 323
Gregg, J., see P. Wigen **165**: 465
Gregory, C.I., see H. Laidler **154**: 165
Greig, D., see A.J.R. Ives **154**: 301
Greig, D., see J. Xu **156**: 69
Greig, D., see E. Kolb **156**: 377
Greig, D., see J. Xu **156**: 379

Greneche, J.M., see S. Castro **152**: 61
Greneche, J.M., see M. Tamine **159**: 211
Grenèche, J.-M., see M. Cavellec **163**: 173
Greneche, J.M., see M. Cavellec **167**: 57
Greneche, J.M., see P. Vaqueiro **169**: 56
Grenier, C.G., see H.-S. Li **162**: 301
Grenier, C.G., see H.-S. Li **166**: 365
Greve, J., see E. Lunedei **157/8**: 434
Griessen, R.P., see K. Temst **156**: 109
Grimalsky, V.V., Yu.G. Rapoport, Nonlinear magnetostatic waves in ferrite films in an inhomogeneous magnetic field **157/8**: 727
Groisman, A., see T. Mahr **159**: L45
Groń, T., see J. Krok-Kowalski **168**: 129
Groot Koerkamp, M., T. Rasing, Giant nonlinear Kerr effects **156**: 213
Gros, C., see J. Richter **156**: 433
Gros, C., see J. Richter **157/8**: 336
Grössinger, R., see X.C. Kou **157/8**: 83
Grössinger, R., see J.P. Sinnecker **157/8**: 183
Grössinger, R., see V. Hong Duong **157/8**: 193
Grössinger, R., see P.A. Algarabel **157/8**: 521
Grössinger, R., see M. Dahlgren **160**: 247
Grössinger, R., see C. Kussbach **160**: 293
Grössinger, R., see B. Ljungcrantz **160**: 305
Grössinger, R., see J.C. Téllez-Blanco **164**: L1
Grössinger, R., see D. Holzer **169**: 303
Grünberg, P., see S. Mitani **156**: 7
Grünberg, P., see K. Takanashi **156**: 237
Grünberg, P., see U. Rücker **156**: 269
Grünberg, P., see S. Demokritov **163**: 21
Grünberg, P., see Y. Suzuki **165**: 134
Grünberger, W., D. Hinz, D. Schläfer, L. Schultz, Microstructure, texture, and magnetic properties of backward extruded NdFeB ring magnets **157/8**: 41
Grundy, P.J., see R.J. Pollard **151**: 139
Grundy, P.J., see P. Dova **155**: 176
Grundy, P.J., see S.P. Fox **155**: 179
Grundy, P.J., see G.J. Sinclair **155**: 182
Grundy, P.J., see H. Matsuda **155**: 250
Grundy, P.J., see C.J. Tatnall **156**: 61
Grundy, P.J., see R. Atkinson **162**: 131
Grundy, P.J., see G.A. Jones **163**: 232
Grundy, P.J., see C.J. Tatnall **165**: 391
Grunze, M., see C.M. Schneider **162**: 7
Grusková, A., see A. Košturiak **153**: 184
Gschneidner, Jr., K.A., see V.K. Pecharsky **167**:L179
Gu, B.X., D.S. Xue, B.G. Shen, F.S. Li, Influence of a small addition of Nd on Mössbauer spectra of amorphous FeB alloys **167**: 105
Gu, B.X., H.Y. Zhang, H. Wang, H.R. Zhai, Influence of Bi on magnetic properties of $Dy_3Fe_5O_{12}$ garnet film **168**: 31
Gu, E., see T. Fujimoto **156**: 365
Gu, G., see T. Zhou **164**: 219
Gubanka, B., M. Donath, F. Passek, Magnetic phases of fcc-like Fe films on Cu(001): Answers from the spin-dependent electronic structure **161**: L11
Gubbiotti, G., see G. Carlotti **165**: 424
Gubkin, M.K., T.A. Khimich, E.V. Kleparskaya, T.M. Perekalina, A.V. Zalessky, Magnetic and NMR studies of lanthanum perovskite manganites **154**: 351
Guevara, F., see E. Vincent **161**: 209
Guichet, C., see D. Boursier **165**: 205
Guillot, M., see J.P. Sanchez **152**: 174
Guillot, M., see T. Jaworska-Gołąb **164**: 371
Guimarães, A.P., see D. Aliaga-Guerra **157/8**: 186
Guimarães, A.P., see I.S. Oliveira **170**: 277
Guiraud, G., see V. Dupuis **165**: 42
Gulyaev, Yu.V., Yu.F. Ogrin, N.I. Polzikova, F.Yu. Ogrin, P.W. Haycock, Magnetoacoustic echo spectrum of a ferrite–dielectric layered structure **157/8**: 482
Gundyrev, V.M., see G.V. Kurlyandskaya **157/8**: 541
Gunßer, W., see H. Neuendorf **151**: 305
Guo, G.Y., H. Ebert, On the origins of the enhanced magneto-optical Kerr effect in ultrathin Fe and Co multilayers **156**: 173
Guo, G.Y., H. Ebert, An ab initio investigation of the hyperfine field anisotropy in Fe and Co multilayers **156**: 289
Guo, H.-q., see B.-g. Shen **151**: 111
Guo, H.-q., see B.-g. Shen **153**: 332
Gupta, A., see S.N. Kane **157/8**: 519
Gupta, A., see S.N. Kane **167**: 241
Gurney, B.A., see H. Lefakis **154**: 17
Guschin, V.S., see E.A. Gan'shina **157/8**: 243
Guschin, V.S., see E.A. Gan'shina **160**: 335
Guschin, V., see E. Gan'shina **165**: 320
Guschin, V., see E. Gan'shina **165**: 346
Gutfleisch, O., see V.A. Yartys **157/8**: 119
Gutierrez, C.J., see V. Chakarian **156**: 265
Gutiérrez, J., A. García-Arribas, J.S. Garitaonaindia, J.M. Barandiarán, P.T. Squire, ΔE effect and anisotropy distribution in metallic glasses with oblique easy axis induced by field annealing **157/8**: 543
Guyot, M., see A. Lisfi **157/8**: 258
Guzik, A., J. Pierre, K. Kaczmarska, B. Lambert-Andron, B. Ouladdiaf, Kondo properties of the new compounds $Ce(Ag_xCu_{1-x})_{2-\delta}Sb_2$ **157/8**: 683
Guzik, A., K. Kaczmarska, J. Pierre, A.P. Murani, Spin dynamics in some cerium ternary stannides and antimonides **161**: 103
Gynderov, D.V., see A.G. Popov **157/8**: 33
Gyuot, M., see I. Nedkov **159**: 331

Haase, W., see P. Fleischhauer **159**: 166
Haberl, F., see M. Gaugitsch **157/8**: 438
Habiballah, A., see H. Lassri **163**: 345
Hackemer, A., see G.E. Grechnev **157/8**: 677
Hadjipanayis, G.C., see I.A. Al-Omari **151**: 145

Hadjipanayis, G.C., see I. Panagiotopoulos **152**: 353
Hadjipanayis, G.C., see L. Yiping **164**: 357
Hadjipanayis, G.C., see J.A. Christodoulides **166**: 283
Hafner, J., see R. Lorenz **157/8**: 514
Hafner, J., see Ch. Becker **157/8**: 619
Hafner, J., see D. Spišák **166**: 303
Hafner, J., see D. Spišák **168**: 257
Haga, Y., see A. Sugawara **156**: 151
Haga, Y., see T. Sato **157/8**: 211
Hagiwara, H., see T. Ishiguro **155**: 256
Haiji, H., K. Okada, T. Hiratani, M. Abe, M. Ninomiya, Magnetic properties and workability of 6.5% Si steel sheet **160**: 109
Halilov, S.V., see E.T. Kulatov **163**: 331
Halim, A.S., see T.J. Jackson **159**: 269
Hall, I., see O. Nikolov **152**: 75
Hall, M.J., E.D. Whitton, D.B. Jardine, R.E. Somekh, J.E. Evetts, J.A. Leake, The effect of annealing on the giant magnetoresistance and magnetisation of sputter-deposited Co/Cu multilayers **156**: 119
Hall, M.J., see K.Y. Kok **156**: 51
Hall, M.J., see J.S. Conyers **156**: 419
Hallmann, E., see F.-W. Schaper **157/8**: 613
Halperin, W.P., see Q. Shen **152**: 139
Hama, S., see Y. Ueda **156**: 353
Hamacher, K., see K. Theis-Bröhl **166**: 27
Hamada, K., see K. Uchiyama **156**: 427
Hamada, K., see K. Uchiyama **156**: 429
Hamada, N., see T. Asada **157/8**: 343
Hamakawa, Y., see I. Yuitoo **159**: 395
Hamdeh, H.H., see P. Perera **162**: 183
Hamdeh, H.H., see A.J. Dyakonov **167**: 115
Hamdoun, M., see M. Slimani **163**: 349
Hamedoun, M., see M. Slimani **153**: 132
Hammann, J., see P. Bonville **151**: 115
Hammann, J., see E. Vincent **161**: 209
Hamzic, A., see V. Cros **165**: 512
Han, D.-H., H.-L. Luo, Z. Yang, Remanent and anisotropic switching field distribution of platelike Ba-ferrite and acicular particulate recording media **161**: 376
Han, L.-P., see H.-S. Li **153**: 329
Han, L.-P., see Z.-W. Zhang **170**: 184
Han, S.-M., see S.-C. Yu **157/8**: 237
Han, X., see H. Pan **159**: 352
Han, X., see H. Pan **161**: 177
Han, X., see H. Pan **163**: 221
Han, X., see H. Pan **164**: 197
Han, X., see H. Pan **170**: 331
Handschuh, S., see F. Klinkhammer **161**: 49
Handstein, A., J. Wecker, K. Schnitzke, D. Hinz, L. Schultz, Mechanically alloyed anisotropic Nd–Fe–B powder **157/8**: 15
Handstein, A., see L. Cao **157/8**: 95
Handstein, A., see K.-H. Müller **157/8**: 117
Haneczok, G., see J. Zbroszczyk **160**: 279
Hanf, M.C., see P. Schieffer **165**: 180
Hanson, M., see S. Juszczyk **157/8**: 499
Hanson, M., see C. Johansson **157/8**: 599
Hanson, M., see M.S. Pedersen **164**: 327
Hanyu, T., see Y. Aoki **162**: 1
Hanzlik, M., see R. Keller **162**: 327
Hara, K., K. Itoh, M. Kamiya, K. Okamoto, T. Hashimoto, Hysteresis loops of cobalt films deposited obliquely by sputtering **161**: 287
Hara, K., K. Itoh, K. Okamoto, T. Hashimoto, Crystallographic contribution to the formation of the columnar grain structure in cobalt films **162**: 177
Hara, Y., H. Negishi, M. Sasaki, M. Inoue, Relaxation of thermoremanent magnetization in the spin-glass phase of itinerant magnetic Fe_xTiS_2 **159**: 125
Hara, Y., A. Yamasaki, H. Negishi, M. Sasaki, M. Inoue, Relaxation phenomena in the cluster-glass phase of itinerant magnetic material of Fe_xTiS_2 crystals **168**: 213
Harada, K., see H. Maeda **160**: 149
Harbison, J.P., see M. Tanaka **156**: 306
Hardiman, M., see Z.H. Nazir **156**: 435
Hargitai, C., see S. Németh **160**: 183
Hargitai, C., see L. Pogány **160**: 189
Harkins, J.V., P. Donovan, Interface pinning in gadolinium/molybdenum magnetic multilayers **156**: 224
Harlan, E.W., see G.C. DeFotis **154**: 83
Harmon, E.S., see T.M. Pekarek **169**: 261
Harrell, J.W., see Y. Yu **155**: 126
Harris, E.A., see Y. Öner **170**: 129
Harris, I.R., see C. Tattam **152**: L275
Harris, I.R., see C. Tattam **154**: 328
Harris, I.R., see N. Martinez **157/8**: 17
Harris, I.R., see M. Matzinger **157/8**: 54
Harris, I.R., see F.M. Ahmed **157/8**: 59
Harris, I.R., see G.P. Hatch **157/8**: 69
Harris, I.R., see B. Saje **157/8**: 76
Harris, I.R., see K. O'Donnell **157/8**: 79
Harris, I.R., see S.A. Sinan **157/8**: 101
Harris, I.R., see V.A. Yartys **157/8**: 119
Harris, I.R., see C. Burkhardt **157/8**: 127
Harris, I.R., see L. Ruiz de Angulo **157/8**: 508
Harris, I.R., see M. Leonowicz **166**: 165
Harris, I.R., see C. Burkhardt **169**: 69
Harris, V.G., see X. Sui **155**: 132
Harrison, S.R., see J.L. Cain **155**: 67
Hart, A., see N.S. Walmsley **155**: 28
Hart, A., see P.T. Por **155**: 70
Hart, A., see N.S. Walmsley **170**: 81
Hartmann, U., High-resolution magnetic imaging based on scanning probe techniques **157/8**: 545
Harutyunyan, A.R., A.A. Kuznetsov, H. Szymczak, R. Szymczak, M. Baran, A. Nabialek, Magnetic and magnetic resonance studies of magnetically diluted phthalocyanine-based molecular magnets **162**: 338

Hase, T.P.A., see H. Laidler **156**: 332
Hase, T.P.A., see I. Pape **156**: 373
Hasegawa, N., A. Makino, A. Inoue, T. Masumoto, Magnetic domain structure of nanocrystalline Fe–M–B (M = Zr, Nb) alloys revealed by Lorentz electron microscopy **160**: 249
Hasegawa, N., see Y. Hayakawa **154**: 175
Hasenzagl, A., H. Pfützner, F. Sachslehner, Stray field energy of domains in soft magnetic material – a quantitative approach **157/8**: 467
Hasenzagl, A., B. Weiser, H. Pfützner, Magnetostriction of 3 SiFe for 2-D magnetization patterns **160**: 55
Hasenzagl, A., B. Weiser, H. Pfützner, Novel 3-phase excited single sheet tester for rotational magnetization **160**: 180
Hasenzagl, A., see B. Weiser **160**: 207
Hashi, Y., see Z.-Q. Li **167**: 123
Hashimoto, M., see A. Saito **160**: 57
Hashimoto, S., see Y. Aoki **162**: 1
Hashimoto, T., see R.Y. Lü **151**: 33
Hashimoto, T., see K. Hara **161**: 287
Hashimoto, T., see K. Hara **162**: 177
Hasiak, M., see J. Zbroszczyk **160**: 141
Hasiak, M., see J. Zbroszczyk **160**: 277
Hasiak, M., see J. Zbroszczyk **160**: 279
Hasiak, M., see J. Zbroszczyk **160**: 281
Hašlar, V., D. Atkinson, P.T. Squire, M.R.J. Gibbs, K. Závěta, L. Kraus, A magnetoelastic study of a transverse creep-induced magnetic anisotropy in an FeNb-based amorphous alloy **153**: 63
Hašlar, V., L. Kraus, D. Dlouhý, P. Duhaj, P. Švec, Influence of Si and Nb content on magnetostriction and creep-induced magnetic anisotropy of nanocrystalline FeNbCuSiB alloys **160**: 257
Hašlar, V., see L. Kraus **157/8**: 151
Haslar, V., see V. Basso **157/8**: 217
Hašlar, V., see S.N. Kane **157/8**: 519
Hašlar, V., see O. Heczko **160**: 259
Hašlar, V., see G. Vértesy **164**: 163
Hassanain, N., see G. Ravach **157/8**: 173
Hassanaïn, N., see H. Lassri **163**: 339
Hasselbach, K., see W. Wernsdorfer **151**: 38
Hataya, N., see Y. Ueda **156**: 350
Hatch, G.P., A.J. Williams, G.J. Mycock, I.R. Harris, Upset forging of an as-cast Pr–Fe–B–Cu alloy in air **157/8**: 69
Hatch, G.P., see M. Leonowicz **166**: 165
Hatton, H.J., M.R.J. Gibbs, Interface contributions to magnetostriction in transition metal based soft magnetic multilayers **156**: 67
Hatton, H.J., see J.K. Hong **156**: 55
Hatzl, R., see A. Leithe-Jasper **170**: 189
Hauge, C., see T.W. Krause **169**: 207
Hauser, H., P.L. Fulmek, Hysteresis calculations by statistical behaviour of particles of high density **155**: 34
Hauser, H., see P.L. Fulmek **157/8**: 361
Hauser, H., see M. Gaugitsch **157/8**: 438
Hauser, H., see P.T. Squire **157/8**: 527
Hauser, H., see P.L. Fulmek **160**: 35
Hauser, R., T. Ishii, Y. Uwatoko, G. Oomi, E. Bauer, E. Gratz, Thermal expansion of $YbCu_4Ag$ and $YbCu_4Au$ **157/8**: 679
Havela, L., see T.D. Cuong **157/8**: 694
Havela, L., see M. Kučera **157/8**: 700
Havela, L., see A.V. Andreev **169**: 229
Hay, J.N., see C. Tattam **152**:L275
Hay, J.N., see C. Tattam **154**: 328
Hayakawa, Y., N. Hasegawa, A. Makino, S. Mitani, H. Fujimori, Microstructure and magnetoresistance of Fe–Hf–O films with high electrical resistivity **154**: 175
Hayakawa, Y., J.A. Szpunar, G. Palumbo, P. Lin, The role of grain boundary character distribution in Goss texture development in electrical steels **160**: 143
Hayakawa, Y., see T. Takamiya **160**: 131
Hayashi, H., see J. Li **153**: 246
Hayashi, H., see J. Li **155**: 157
Hayashi, N., see Y. Nakatani **168**: 347
Hayashi, T., see K. Uchiyama **156**: 429
Hayashi, Y., see Y. Jyoko **156**: 35
Hayashi, Y., see Y. Jyoko **165**: 280
Haycock, P.W., see A.H. Thomas **151**: 54
Haycock, P.W., see M.A. Wongsam **155**: 37
Haycock, P.W., see F.Y. Ogrin **155**: 199
Haycock, P.W., see Yu.V. Gulyaev **157/8**: 482
Hayes, J.P., H.V. Snelling, A.G.I. Jenner, R.D. Greenough, Thin magnetoelastic films prepared by pulsed TEA CO_2 LAD **157/8**: 531
He, K.-y., see J. Zhi **153**: 315
He, L., W.D. Doyle, L. Varga, H. Fujiwara, P.J. Flanders, High-speed switching in magnetic recording media **155**: 6
Heczko, O., L. Kraus, V. Hašlar, P. Duhaj, P. Švec, Magnetic properties of the crystalline and amorphous components of a nanocrystalline FeNbB alloy **160**: 259
Heczko, O., see L. Kraus **157/8**: 151
Hehn, M., R. Ferré, K. Ounadjela, J.-P. Bucher, F. Rousseaux, Nanoscale magnetic domains in mesoscopic dots: experimental and theoretical investigations of zero field domain structures **165**: 5
Hehn, M., K. Cherifi-Khodjaoui, K. Ounadjela, J.P. Bucher, J. Arabski, Engineering magnetic responses in hcp cobalt thin films **165**: 520
Hehn, M., see K. Ounadjela **156**: 267
Hehn, M., see R. Ferré **165**: 9
Hehn, M., see W. Allen **165**: 121
Hehn, M., see V. Pierron-Bohnes **165**: 176
Hehn, M., see L. Louail **165**: 387
Hehn, M., see P. Wigen **165**: 465

Heid, C., H. Weitzel, P. Burlet, M. Bonnet, W. Gonschorek, T. Vogt, J. Norwig, H. Fuess, Magnetic phase diagram of $CoNb_2O_6$: a neutron diffraction study **151**: 123
Heidmann, J., see H.C. Siegmann **151**: L8
Heim, K.R., M.R. Scheinfein, An alternative approach for magneto-optic calculations involving layered media **154**: 141
Heinrich, B., J.F. Cochran, D. Venus, K. Totland, C. Schneider, K. Myrtle, Role of interface alloying in Fe whisker/Cr/Fe(001) structures, angular-resolved Auger electron and MOKE studies **156**: 215
Heinrich, B., see Z. Celinski **166**: 6
Heise, J., see F. Schreiber **157/8**: 281
Helming, K., see D. Hinz **157/8**: 43
Hempel, K.A., see G. Zimmermann **155**: 98
Hempel, K.A., see G. Zimmermann **155**: 286
Hempel, K.A., see C. Sürig **155**: 289
Hempel, K.A., see F. von Staa **157/8**: 23
Hempel, K.A., see F. von Staa **157/8**: 25
Hempel, K.A., see C. Sürig **157/8**: 268
Hempel, K.A., see M. Birkfeld **160**: 17
Hempel, K.A., see J. Sievert **160**: 115
Hempstock, M.S., J.L. Sullivan, A study of the mechanical and magnetic performance of metal evaporated tape **155**: 323
Henkie, Z., see Z. Kletowski **166**: 361
Hennequin, J.-F., see S.M. Chérif **165**: 504
Hennet, L., see J.F. Bobo **164**: 61
Hennion, M., see C. Dufour **156**: 425
Hennion, M., see I. Mirebeau **169**: 279
Hergert, W., see V.S. Stepanyuk **165**: 272
Hergt, R., see J. Taubert **168**: 187
Hernández, P., C. de Francisco, J.M. Muñoz, J. Iñiguez, L. Torres, M. Zazo, Influence of sintering atmosphere on the magnetic after-effect in strontium ferrites **157/8**: 123
Hernando, A., C. Prados, C. Prieto, Anisotropy, magnetostriction and local chemical order in amorphous Tb_xFe_{1-x} $(0.1 < x < 0.55)$ thin films **157/8**: 501
Hernando, A., see C. Prados **156**: 369
Hernando, A., see C. Gómez-Polo **160**: 194
Hernando, A., see R. Valenzuela **160**: 241
Hernando, A., see M. Dahlgren **160**: 247
Hernando, A., see T. Kulik **160**: 269
Hernando, A., see M.L. Sánchez **163**: 132
Hernando, A., see T. Hopfinger **164**: L7
Hernando, A., see C. Prados **165**: 414
Hernando, A., see M. Knobel **169**: 89
Hernando, A., see D. Holzer **169**: 303
Hernando, A., see A. Zhukov **170**: 323
Hernando, B., see M. Tejedor **152**: 191
Hernando, B., see M. Tejedor **157/8**: 141
Hernando, B., see M. Tejedor **160**: 311
Herr, A., see S. Zoll **165**: 442
Herr, A., see M. Maret **166**: 45
Herrenden-Harkerand, W., see W. Zhang **165**: 330
Herrmann, T., W. Nolting, Magnetism in the single-band Hubbard model **170**: 253
Herzer, G., Nanocrystalline soft magnetic materials **157/8**: 133
Hesse, J., see S. Thamm **154**: 254
Hesse, J., see I.M. Kyprianidis **161**: 203
Hesse, J., see K.G. Efthimiadis **162**: 259
Hesto, P., see S. Cercelaru **160**: 338
Heydon, G.P., see M.S. Valera **157/8**: 555
Hibma, T., see W.F.J. Fontijn **165**: 401
Hicken, R.J., see A. Ercole **156**: 121
Hickey, B.J., see H. Laidler **154**: 165
Hickey, B.J., see J. Xu **156**: 69
Hickey, B.J., see H. Laidler **156**: 332
Hickey, B.J., see I. Pape **156**: 373
Hickey, B.J., see J. Xu **156**: 379
Hien, T.D., see C.V. Thang **157/8**: 643
Highmore, R.J., K. Yusu, S.N. Okuno, Y. Saito, K. Inomata, Magnetoresistance in Fe–Si films grown by molecular beam epitaxy **151**: 95
Hill, E., see S. Casey **155**: 348
Hill, E.W., see S.L. Tomlinson **161**: 385
Hillebrands, B., see P.A. Kolodin **161**: 199
Hillebrands, B., see S.O. Demokritov **165**: 496
Hilscher, G., see N.V. Baranov **157/8**: 401
Hilscher, G., see W. Perthold **157/8**: 649
Hines, W.A., see N.X. Shen **162**: 265
Hinz, D., S. Wirth, D. Eckert, K. Helming, K.-H. Müller, Determination of biaxial texture and intrinsic magnetic properties of hot rolled NdFeB samples **157/8**: 43
Hinz, D., see A. Handstein **157/8**: 15
Hinz, D., see W. Grünberger **157/8**: 41
Hirano, T., see H. Takeya **157/8**: 611
Hirao, K., see K. Tanaka **168**: 203
Hiraoka, T., E. Kinoshita, H. Tanaka, T. Takabatake, H. Fujii, Hall effect and electrical resistivity in CeRhSb **153**: 124
Hirasaka, M., see J. Nakai **155**: 234
Hirata, K., see H. Takeya **157/8**: 611
Hiratani, T., see H. Haiji **160**: 109
Hirayama, Y., see K. Kimoto **159**: 401
Hirosawa, S., see M. Uehara **159**: L304
Hirosawa, S., see H. Sun **164**: 18
Hirota, E., see K. Uchiyama **156**: 427
Hirota, E., see K. Uchiyama **156**: 429
Hisamichi, Y., see H. Kondo **155**: 332
Hjortstam, O., J. Trygg, J.M. Wills, B. Johansson, O. Eriksson, Giant surface layer relaxation for Be $(10\bar{1}0)$ **156**: 85
Hjörvarsson, B., see P. Poulopoulos **170**: 57
Ho, E.M., A.K. Petford-Long, Magnetoresistance in sputtered Fe/Cr multilayer films **156**: 65
Hobby, P.C., see A.P. Warren **155**: 117
Hochhold, M., H. Leeb, G. Badurek, Tensorial neutron tomography: a first approach **157/8**: 575

Hochreiter, J., see M. Gaugitsch **157/8**: 438
Hodges, J.A., see P. Bonville **151**: 115
Hoekstra, R., see J. Manske **168**: 249
Hoffman, B.M., see Q. Shen **152**: 139
Hoffmann, R.-D., see M. Reehuis **154**: 355
Hofmann, B., H. Kronmüller, Stress-induced magnetic anisotropy in nanocrystalline FeCuNbSiB alloy **152**: 91
Hofmann, B., see A. Neuweiler **153**: 28
Hofmeister, H., see M.A. Rösler **162**: 377
Hogg, B.D., see G.C. DeFotis **154**: 83
Hogsdon, S.N., see S. Atalay **157/8**: 145
Hogsdon, S.N., see P.T. Squire **157/8**: 527
Holden, T.M., see J.C. Woolley **162**: 347
Holden, T.M., see J.C. Woolley **164**: 154
Holldack, K., see C.M. Schneider **162**: 7
Holloway, H., D.J. Kubinski, Small-angle X-ray reflectivity of Co/Cu superlattices and other low-contrast multilayers: The influence of dispersion **170**: 95
Holloway, H., see D.J. Kubinski **165**: 104
Holloway, H., see E. Jędryka **165**: 292
Holody, P., see J.L. Duvail **151**: 324
Holý, V., see M. Jergel **156**: 117
Holzer, D., P. Tiberto, A. Hernando, R. Grössinger, H. Sassik, E. Estevez-Rams, Structural properties and temperature dependence of coercivity of DC Joule-heated $Fe_{86}Zr_7B_6Cu_1$ ribbons **169**: 303
Holzer, D., see M. Dahlgren **160**: 247
Holzer, D., see C. Kussbach **160**: 293
Homouz, D.M., J.M. Khalifeh, Magnetism of relaxed V(001) slabs **153**: 355
Honda, K., see H. Sato **152**: 109
Honda, K., see Y. Aoki **162**: 1
Honda, N., J. Ariake, K. Ouchi, S. Iwasaki, Preparation of Co–Cr films for perpendicular recording by sputter deposition at extremely high Ar pressures **155**: 154
Honda, N., see J. Ariake **155**: 228
Honda, S., Optical spectroscopy for analysis in rf sputtering of CoCr **151**: 87
Honda, S., T. Okada, M. Nawate, Tunneling giant magnetoresistance in Fe–SiO_2 multilayered and alloyed films **165**: 153
Honda, S., T. Okada, M. Nawate, Size effect on giant magnetoresistance of Co–Ag films **165**: 326
Honda, S., see M. Nawate **156**: 383
Honda, S., see I. Sakamoto **165**: 208
Hong, J., see W. Zhong **168**: 196
Hong, J.K., D. Spilsbury, N. Cowlam, H.J. Hatton, M.R.J. Gibbs, Optimisation of neutron reflectometry in the measurement of magnetic multilayers by means of 'invisible' spacer layers **156**: 55
Hong, K., N. Giordano, New effects in ferromagnetic nanostructures **151**: 396
Hong, N.M., see C.V. Thang **157/8**: 645
Hong, N.M., see W. Perthold **157/8**: 649
Hong, S., C. Pirri, P. Wetzel, D. Bolmont, G. Gewinner, S. Boukari, E. Beaurepaire, Magneto-optic Kerr effect measurements on $Fe_{3-x}Co_xSi$ ($0 \leq x \leq 2.5$) epitaxially stabilized on Si(111) **165**: 212
Hong Duong, V., R. Grössinger, R. Sato Turtelli, Ch. Polak, The magnetic behaviour of nanocrystalline $Fe_{76.5-x}Cu_1Nb_xSi_{13.5}B_9$ **157/8**: 193
Honig, J.M., see A. Kozłowski **157/8**: 415
Hono, K., see T. Sugawara **159**: 95
Hono, K., see Y. Tanaka **170**: 289
Hoon, S.R., see M.S. Valera **157/8**: 555
Hoon, S.R., see S.L. Tomlinson **157/8**: 557
Hope, S., see M.E. Buckley **156**: 211
Hope, S., see J.A.C. Bland **165**: 46
Hopfinger, T., A.R. Yavari, D. Negri, J. Alonso, A. Hernando, Nanocrystallization reactions in the fabrication of $Fe_{14}Nd_2B$ + Fe hard-soft magnets **164**: L7
Hordequin, C., J. Pierre, R. Currat, Magnetic excitations in the half-metallic NiMnSb ferromagnet: from Heisenberg-type to itinerant behaviour **162**: 75
Horikiri, H., see A. Kojima **162**: 95
Hornick, C., see V. Laget **154**: L7
Hoshino, K., see R. Nakatani **166**: 261
Hoshino, K., see R. Nakatani **170**: 74
Hoshino, T., R. Zeller, P.H. Dederichs, T. Asada, Spin-polarization energies of 3d impurities in metals and alloys **157/8**: 717
Hoshino, T., see T. Asada **157/8**: 343
Hoshiya, H., see R. Nakatani **166**: 261
Hoshiya, H., see R. Nakatani **170**: 74
Hoskins, B.G., see A. Nafalski **160**: 84
Hosoe, Y., see K. Yamanaka **152**: 411
Hosoe, Y., see K. Tanahashi **153**: 265
Hosoe, Y., see N. Inaba **168**: 222
Hosoito, N., K. Mibu, T. Ono, T. Emoto, T. *Shinjo, Relationship between magnetoresistance* change and antiparallel magnetization estimated by neutron diffraction in giant magnetoresistance systems **156**: 325
Hosoito, N., see T. Emoto **156**: 47
Hossain, S.A., B.H. Pirkle, M.R. Parker, Design and fabrication of GMR multilayers with enhanced thermal stability **156**: 303
Hou, C.-K., Effect of silicon on the loss separation and permeability of laminated steels **162**: 280
Hou, C.-K., Effect of hot band temper rolling strain on the magnetic properties of low-carbon electrical steels **162**: 291
Houdy, P., see M. Nývlt **156**: 175
Houzali, A., F. Alves, J.C. Perron, Stress and structural relaxation in amorphous ribbons along dynamic current annealing **160**: 291
Howard, J.K., see E. Snoeck **151**: 24

Howe, D., see B. Baholo **157/8**: 444
Howells, G.D., R.J. Prance, T.D. Clark, C. Watkins, C. Vittoria, Imaging the magnetic properties of materials at the 1 μm length scale **155**: 55
Howson, M.A., see J. Xu **156**: 69
Howson, M.A., see E. Kolb **156**: 377
Howson, M.A., see J. Xu **156**: 379
Høye, J.S., see M.A. Załuska-Kotur **161**: 111
Hrianca, I., see I. Mălăescu **157/8**: 585
Hricovini, K., see M. Finazzi **165**: 78
Hricovini, K., see S. Andrieu **165**: 191
Hricovini, K., see M. Finazzi **165**: 373
Hristoforou, E., H. Chiriac, M. Neagu, Amorphous magnetic wires used in digitizers based on reflections in delay lines **157/8**: 451
Hristoforou, E., see H. Chiriac **157/8**: 229
Hsu, S.Y., see S.D. Steenwyk **170**: L1
Hu, A., see J.W. Feng **152**: 27
Hu, A., see F.M. Pan **156**: 49
Hu, A., see J.W. Feng **156**: 239
Hu, A., see J.W. Feng **156**: 241
Hu, A., see S.S. Kang **166**: 277
Hu, J., see H. Pan **159**: 352
Hu, X., Y. Kawazoe, Study of coupled ferromagnetic thin film and semi-infinite bulk **153**: 380
Hu, Z.Q., see X.Q. Zhao **164**: 401
Hua, L., J.E.L. Bishop, J.W. Tucker, Micromagnetic simulation of domain walls in iron films **155**: 49
Hua, L., J.E.L. Bishop, J.W. Tucker, Simulation of transverse and longitudinal magnetic ripple structures induced by surface anisotropy **163**: 285
Huang, H., see T. Zhou **164**: 219
Huang, H.L., see C.T. Teh **155**: 43
Huang, H.L., see V.L. Sobolev **155**: 46
Huang, J.Y., see S.U. Jen **164**: 49
Huang, M.Q., W.E. Wallace, R.T. Obermyer, S. Simizu, S.G. Sankar, Magnetic and structural characteristics of $PrCo_{13-x}Si_x$ alloys and their nitrides **151**: 150
Huang, R.-W., see H.-S. Li **153**: 329
Huang, X.R., Z.S. Li, X.C. Xiao, C.C. Sun, Analysis of the magnetic properties of Pr_2Co_{17} and Nd_2Co_{17} **162**: 253
Hubert, A., see S. Schmeusser **166**: 267
Hubsch, J., see I. Mirebeau **169**: 279
Hucht, A., K.D. Usadel, Characterization of the reorientation transition in classical Heisenberg models with dipole interaction **156**: 423
Hudák, A., see M. Zentková **157/8**: 581
Huebner, E., see J.L. Bubendorff **165**: 199
Hughes, H.P., see D.E. Bangert **156**: 189
Huhn, G., see L.F. Kiss **160**: 229
Humbert, P., see H. Lefakis **154**: 17
Huneus, H., see X. Duan **160**: 133
Hunt, J.A., see J. Speakman **156**: 411
Hurben, M.J., C.E. Patton, Theory of magnetostatic waves for in-plane magnetized anisotropic films **163**: 39
Hurdequint, H., see E. Vincent **161**: 209
Hütten, A., see J. Bernardi **157/8**: 153
Hwang, G.H., see H.M. Duh **153**: 86
Hwang, J.S., see H.M. Duh **153**: 379
Hylton, T.L., see E. Snoeck **151**: 24

Iancu, G., see I. Mirebeau **169**: 279
Ibarra, M.R., see C. Ritter **151**: 59
Ibarra, M.R., see L. Morellon **153**: 17
Ibarra, M.R., see Z. Arnold **157/8**: 81
Ibarra, M.R., see L. Pareti **157/8**: 87
Ibarra, M.R., see L.C.C.M. Nagamine **157/8**: 111
Ibarra, M.R., see J. Kamarád **157/8**: 381
Ibarra, M.R., see C. Marquina **157/8**: 403
Ichinose, Y., see T. Ishiguro **155**: 256
Ido, H., see W. Perthold **157/8**: 649
Idogaki, T., M. Rikitoku, J.W. Tucker, Exact initial transverse susceptibility for a random-bond Ising chain **152**: 311
Idogaki, T., Y. Miyoshi, J.W. Tucker, An effective field theory for dilute anisotropic Heisenberg ferromagnets **154**: 221
Idogaki, T., see A. Tanaka **154**: 231
Idzerda, Y.U., see V. Chakarian **156**: 265
Idzerda, Y.U., see V. Chakarian **165**: 52
Idzikowski, B., Mean field theory analysis of magnetization in amorphous Tb–Co–B alloys **157/8**: 241
Idzikowski, B., see K.V. Kamenev **167**: 254
Iijima, S., see A. Bhattacharjee **153**: 235
Ikeda, S., see K. Matsuyama **156**: 301
Ikeda, S., see Y. Ueda **156**: 353
Ikeda, S., see G. Kido **157/8**: 550
Ilo, A., B. Weiser, T. Booth, H. Pfützner, Influence of geometric parameters on the magnetic properties of model transformer cores **160**: 38
Ilo, A., see C. Nussbaum **160**: 81
Ilyashenko, S.E., see R.M. Grechishkin **157/8**: 305
Imada, R., I. Maruyama, M. Jimbo, S. Tsunashima, Giant magnetoresistance effect in Co-rich NiFeCo/Cu multilayers **156**: 367
Imada, R., see M. Jimbo **165**: 304
Imada, Y., see S. Tsunashima **165**: 111
Imbert, P., see P. Bonville **151**: 115
Immink, A.H.J., M.D. Bijker, L. Abelmann, J.C. Lodder, Interaction in double layered ME tapes **155**: 279
Inaba, N., T. Yamamoto, Y. Hosoe, M. Futamoto, Microstructural segregation in CoCrTa and CoCrPt longitudinal magnetic recording media **168**: 222
Inaba, N., see K. Yamanaka **152**: 411
Indeck, R.S., see G. Mian **152**: 253
Ings, J.B., see R.E. Bornfreund **151**: 181

Inomata, K., S.N. Okuno, Y. Saito, K. Yusu, Oscillatory interlayer couplings as functions of a ferromagnetic metal layer and a semiconducting spacer in magnetic superlattices **156**: 219
Inomata, K., see R.J. Highmore **151**: 95
Inomata, K., see H. Sato **156**: 247
Inoue, A., see N. Hasegawa **160**: 249
Inoue, A., see A. Kojima **162**: 95
Inoue, J., Effects of bulk and interface scattering on giant magnetoresistance in magnetic multilayers **164**: 273
Inoue, J., see S. Maekawa **156**: 315
Inoue, J., see H. Itoh **156**: 343
Inoue, K., see H. Nakamura **168**: 182
Inoue, M., see Y. Hara **159**: 125
Inoue, M., see Y. Hara **168**: 213
Iñiguez, J., see P. Hernández **157/8**: 123
Ioan, C., A. Moldovanu, C. Macovei, E. Moldovanu, Extension of the frequency range of fluxgate magnetometers **157/8**: 567
Ioan, C., see E. Moldovanu **154**: 101
Ioan, C., see A. Moldovanu **157/8**: 442
Irie, Y., see H. Sakakima **156**: 405
Irie, Y., see H. Sakakima **165**: 108
Irkhin, V.Yu., A.A. Katanin, M.I. Katsnelson, On the spin-wave theory of thin ferromagnetic films **164**: 66
Irkhin, V.Yu., Yu.P. Irkhin, Spin dependence of impurity scattering in ferromagnetic metals **164**: 119
Irkhin, Yu.P., see V.Yu. Irkhin **164**: 119
Irvine, J.T.S., see R. Valenzuela **160**: 386
Isberg, P., see P. Poulopoulos **170**: 57
Ishibashi, K., see H. Yamazaki **156**: 135
Ishibashi, M., see Y. Yoshitomi **160**: 123
Ishida, I., see K. Uchiyama **156**: 427
Ishida, I., see K. Uchiyama **156**: 429
Ishiguro, T., T. Sato, T. Iwashita, S. Yamada, Y. Ichinose, T. Shinohara, M. Tobise, H. Hagiwara, Pole density distribution in CoCrTa/Cr sputtered thin film media and their magnetic properties **155**: 256
Ishihara, Y., see T. Nakata **160**: 119
Ishihara, Y., see H. Maeda **160**: 149
Ishii, H., see A. Oguri **156**: 389
Ishii, T., see R. Hauser **157/8**: 679
Ishikawa, A., R. Sinclair, Effects of Pt addition on the magnetic and crystallographic properties of Co–Cr–Pt thin-film media **152**: 265
Ishio, S., T. Kobayashi, H. Saito, S. Sugawara, S. Kadowaki, Magnetostriction constants of fcc Co–Fe–Ni alloys **164**: 208
Ishizone, M., see M. Shindo **161**: L1
Ishizuka, M., Y. Kai, R. Akimoto, M. Kobayashi, K. Amaya, S. Endo, Pressure-induced ferromagnetism in EuTe **166**: 211
Ito, Y., see T. Tsutaoka **167**: 249
Itogawa, M., see M. Nawate **156**: 383
Itoh, A., see K. Umeda **156**: 75
Itoh, A., see H. Takeshita **165**: 38
Itoh, H., J. Inoue, Y. Asano, S. Maekawa, A theory of conductivity for perpendicular currents through a single random interface **156**: 343
Itoh, K., see K. Hara **161**: 287
Itoh, K., see K. Hara **162**: 177
Itri, A., see H. Lassri **163**: 339
Itri, A., see M. Slimani **163**: 349
Ivanov, A.O., Phase separation in bidisperse ferrocolloids **154**: 66
Ivanov, B.A., see A. Stankiewicz **157/8**: 357
Ivanova, T.I., see S.A. Nikitin **157/8**: 387
Ives, A.J.R., J.A.C. Bland, T. Thomson, P.C. Riedi, M.J. Walker, J. Xu, D. Greig, Exchange-coupled MBE-grown Co/Cu/Co(111) trilayers **154**: 301
Iwasaki, S., see N. Honda **155**: 154
Iwasaki, S.-i., see J. Ariake **155**: 228
Iwashita, T., see T. Ishiguro **155**: 256
Iwata, N., see T. Shimatsu **155**: 242
Iwata, S., see S. Oikawa **156**: 73
Iwata, S., see S. Oikawa **165**: 394

Jabłoński, R., A. Maziewski, M. Tekielak, J.M. Desvignes, FMR study of Co-substituted yttrium iron garnet films **160**: 367
Jabłoński, R., M. Palczewska, A. Pajączkowska, Electron spin resonance study of isolated Cr^{3+} ions and Cr^{3+} ion pairs in $SrLaGaO_4$ and $SrLaAlO_4$ single crystals **167**: 99
Jabłoński, R., see R. Gieniusz **153**: 50
Jackson, M., D. Mercier, J.C.S. Levy, J.S.S. Whiting, Numerical investigations on the interface mode in spin-wave resonance **170**: 22
Jackson, T.J., S.B. Palmer, H.J. Blythe, A.S. Halim, Giant magnetoresistance in granular cobalt copper thin films prepared by pulsed laser ablation deposition **159**: 269
Jacobs, P., see K.J. Kim **155**: 73
Jacyna-Onyszkiewicz, I., T. Mydlarz, N.P. Tishchenko, Crystal and magnetic properties of $Cu_{1-x}Ni_x(FeV)_{0.5}O_3$ systems **160**: 376
Jacyna-Onyszkiewicz, I., T. Mydlarz, Hollandite-type compounds $K_2Me(FeV)_{3.5}O_{16}$ (Me = Co or Ni) with magnetic ordering **160**: 379
Jadżyn, J., see M. Koneracká **157/8**: 589
Jaffres, H., see K. Postava **163**: 8
Jagiełło, A.St., Mathematical modelling of transformer sheet steel magnetization **160**: 91
Jahn, L., R. Schumann, W. Rodewald, Magnetic viscosity of modified neodymium iron boron magnets with high coercivities **153**: 302
Jahnes, C.V., see E. Klokholm **152**: 226
Jakubovics, J.P., see A.C. Daykin **153**: 293
Jakubovics, J.P., see A.C. Daykin **156**: 43
Jakubovics, J.P., see S.J. Newnham **157/8**: 39
Jakusch, H., see M.A. Rösler **162**: 377

James, W.J., see P.C. Ezekwenna **168**: 149
Jamet, J.P., see M. Nývlt **156**: 175
Jančárik, V., see J. Sláma **157/8**: 463
Jančárik, V., see J. Sláma **160**: 203
Janosi, F., see G. Bán **160**: 167
Jansen, A.G.M., see D.T. Adroja **161**: 157
Jansen, A.G.M., see A. Anane **165**: 377
Jansen, R., M. Speckmann, H.P. Oepen, H. van Kempen, Morphology and magnetism of thin Co films on textured Au surfaces **165**: 258
Janssen, T., see P. Schobinger-Papamantellos **154**: 29
Jantsch, W., see Z. Wilamowski **156**: 207
Jardine, D.B., see M.J. Hall **156**: 119
Jaren, S., E. du Trémolet de Lacheisserie, D. Givord, C. Meyer, Pulsed laser deposition epitaxial growth and magnetic properties of $TbCo_2$ and $TbFe_2$ ultra-thin films **165**: 172
Jarratt, J.D., see F. Fettar **165**: 316
Jarvis, W.R.A., see G.C. DeFotis **154**: 83
Jaščur, M., A. Bobák, Diluted mixed Ising spin ferrimagnetic system in a transverse field **161**: 148
Jaščur, M., T. Kaneyoshi, Phase diagrams of Ising multilayer systems with amorphous layers **168**: 47
Jaswal, S.S., see I.A. Al-Omari **151**: 145
Javorský, P., P. Burlet, E. Ressouche, V. Sechovský, G. Lapertot, Neutron scattering study of the magnetic ordering in HoNiAl **159**: 324
Javorský, P., V. Sechovský, R.R. Arons, P. Burlet, E. Ressouche, P. Svoboda, G. Lapertot, Neutron diffraction study of magnetic ordering in NdNiAl and PrNiAl **164**: 183
Javorský, P., P. Burlet, V. Sechovský, A.V. Andreev, J. Brown, P. Svoboda, Neutron diffraction study of magnetic structures in TbNiAl **166**: 133
Jaworska-Gołąb, T., M. Guillot, M. Kolenda, E. Ressouche, A. Szytuła, Magnetic properties of $TbRhSi_3$ based on magnetization and neutron diffraction measurements **164**: 371
Jay, J.P., see S. Zoll **156**: 231
Jay, J.P., see N. Persat **156**: 335
Jay, J.P., see N. Persat **164**: 37
Jędryka, E., M. Wójcik, S. Nadolski, T. Stobiecki, M. Czapkiewicz, Structural studies in Co/Zr multilayers using NMR **156**: 38
Jędryka, E., M. Wójcik, S. Nadolski, D.J. Kubinski, H. Holloway, Structural study by NMR in Co/Cu multilayers at second antiferromagnetic maximum **165**: 292
Jędryka, E., see M. Wójcik **157/8**: 220
Jéhanno, G., see P. Bonville **151**: 115
Jeitschko, W., see M. Reehuis **151**: 273
Jeitschko, W., see M. Reehuis **154**: 355
Jen, S.U., C.T. Wei, J.Y. Huang, The thickness dependence of anisotropic magnetoresistance in a $Co_{35}Pd_{65}$ film **164**: 49
Jenner, A.G.I., see J.P. Hayes **157/8**: 531
Jensen, T.R., see G.C. DeFotis **154**: 83
Jergel, M., V. Holý, E. Majková, Š. Luby, R. Senderák, Interface roughness correlation in tungsten/silicon multilayers **156**: 117
Jergel, M., see E. Majkova **156**: 415
Jezierski, A., Magnetic properties of partially ordered $Co_{2-x}Pd_xTiSn$ alloys **164**: 381
Jezierski, A., see M. Pugacheva **151**: 202
Jezierski, A., see A. Szajek **157/8**: 723
Jezierski, A., see A. Ślebarski **159**: 179
Jezuita, K., see K. Brzózka **157/8**: 167
Jezuita, K., see K. Brzózka **160**: 255
Jiang, E.Y., see P. Wu **168**: 43
Jiang, H.X., see R.J. Bandaranayake **169**: 289
Jiang, I.M., see H.M. Duh **153**: 86
Jiang, J.Z., Mössbauer study of amorphous $Fe_{73.5}Cu_1Nb_3Si_{13.5}B_9$ alloy **154**: 375
Jiang, S.S., see J.W. Feng **152**: 27
Jiang, S.S., see F.M. Pan **156**: 49
Jiang, S.S., see J.W. Feng **156**: 239
Jiang, S.S., see J.W. Feng **156**: 241
Jiang, S.S., see S.S. Kang **166**: 277
Jiang, S.T., see H. Li **163**: 125
Jiang, Y., see T. Zhou **164**: 219
Jianu, A., see I. Mihalca **157/8**: 161
Jianu, A., see M. Seqqat **157/8**: 225
Jiles, D.C., see A. Mitra **153**: 231
Jiles, D.C., see A. Mitra **168**: 169
Jimbo, M., T. Kariya, R. Imada, Y. Fujiwara, S. Tsunashima, Giant magnetoresistance effect in $Fe_{56}Co_{30}Ni_{14}$/Cu **165**: 304
Jimbo, M., K. Komiyama, Y. Shirota, Y. Fujiwara, S. Tsunashima, M. Matsuura, Thermal stability of spin valves using amorphous CoFeB **165**: 308
Jimbo, M., see R. Imada **156**: 367
Jimbo, M., see S. Tsunashima **165**: 111
Jin, G.J., see J.W. Feng **152**: 27
Jin, G.J., see F.M. Pan **156**: 49
Jin, G.J., see J.W. Feng **156**: 239
Jin, G.J., see J.W. Feng **156**: 241
Jin, G.J., see S.S. Kang **166**: 277
Jin, H., see H.T. Kim **152**: 387
Jin, H., see Y. Yu **164**: 201
Jin, H., see Y.B. Kim **169**: 114
Jin, S., see L. Zhou **166**: 253
Jin, X.M., see B.W. Wang **162**: 343
Jin, X.M., see C.H. Wu **163**: 360
Jin, X.M., see S.L. Tang **164**: 215
Jin, X.M., see C.H. Wu **166**: 249
Jin, X.M., see B.W. Wang **170**: 335
Jin, Z.-q., X.K. Sun, W. Liu, X.-g. Zhao, Q.-f. Xiao, Y.-c. Sui, Z.-d. Zhang, Z.-g. Wang, H.-x. Qin, Dependence of magnetic properties on microstructure in mechanically alloyed Nd–Fe–Ti–N **169**: 135
Jirásková, Y., see T. Žák **157/8**: 453
Johansson, B., see O. Hjortstam **156**: 85

Johansson, B., see A.M.N. Niklasson **156**: 128
Johansson, C., M. Hanson, P. Lundqvist, Field-induced anisotropy in a magnetic liquid **157/8**: 599
Johansson, C., see S. Juszczyk **157/8**: 499
Johansson, C., see M.S. Pedersen **164**: 327
Johnson, M., Spin injection in metals: the bipolar spin transistor **156**: 321
Johnson, M.T., see M.A.M. Gijs **151**: 333
Johnson, M.T., see K.-M.H. Lenssen **156**: 63
Jones, G.A., G.J. Sinclair, P.J. Grundy, The influence of sputtering pressure on the microstructural and magnetic properties of thin film CoCrPt bilayer media **163**: 232
Jones, G.A., see P. Dova **155**: 176
Jones, G.A., see G.J. Sinclair **155**: 182
Jonsson, T., J. Mattsson, P. Nordblad, P. Svedlindh, Energy barrier distribution of a noninteracting nano-sized magnetic particle system **168**: 269
Jonsson, T., see P. Svedlindh **169**: 323
Joo, S.-K., see K.-I. Min **156**: 375
Jorat, L., see R. Nasri **161**: 309
Jorat, L., see D. Vincent **163**: 216
Jordan, R., see D. Cole **165**: 246
Jordan, S., see J.F. Lawler **165**: 224
Joshi, H.H., see R.G. Kulkarni **159**: 375
Joubert, J.C., see S. Kramp **157/8**: 73
Joubert, J.C., see M. Febri **157/8**: 103
Joubert, J.C., see M. Febri **157/8**: 215
Jouglar, J., see F. Melquiond **157/8**: 571
Ju, H.L., H. Sohn, Magnetic inhomogeneity and colossal magnetoresistance in manganese oxides **167**: 200
Judy, J.H., see C.-L. Lin **155**: 168
Judy, J.H., see K. Sin **155**: 209
Jun, S., R. Marcelli, Interaction of guided optical wave with nonlinear magnetostatic forward volume waves in ferromagnetic films **167**: 223
Jungblut, R.M., see M.A.M. Gijs **151**: 333
Jungblut, R., see J.J. de Vries **156**: 257
Jungblut, R.M., see M.A.M. Gijs **165**: 17
Jungblut, R.M., see W. Oepts **165**: 356
Jungblut, R., see J.J. de Vries **165**: 435
Jungblut, R.M., see J.M. Gaines **165**: 439
Juraszek, J., see A. Fnidiki **165**: 405
Jurčišin, M., see A. Bobák **163**: 292
Jurek, K., see R. Gerber **157/8**: 295
Juszczyk, S., A. Ratuszna, K. Kaczmarska, G. Małecki, M. Hanson, C. Johansson, Magnetic and structural properties of $Me'_k[Me''(CN)_p]_n \cdot mH_2O$ compounds, where Me′ are 3d transition metals **157/8**: 499
Jyoko, Y., S. Kashiwabara, Y. Hayashi, Preparation and characterization of electrodeposited Pt/Co multilayers **156**: 35
Jyoko, Y., S. Kashiwabara, Y. Hayashi, Characterization of electrodeposited Co/Cu ultrathin films and multilayers **165**: 280
Kabius, B., see G. Dumpich **161**: 37
Kaczkowski, Z., G. Vlasák, P. Duhaj, Elasticity moduli dependences on the magnetic field of $Fe_{73.5}Cu_1Nb_3Si_{13.5}B_9$ strips annealed in the range from 300 to 600°C **157/8**: 199
Kaczkowski, Z., P. Ruuskanen, Magnetostriction hysteresis loops of annealed $Fe_{73.5}Cu_1Nb_3Si_{15.5}B_7$ metallic glass strips **157/8**: 201
Kaczkowski, Z., L. Kraus, G. Vlasák, P. Duhaj, Saturation magnetostriction determination of annealed $Fe_{73.5}Nb_3Cu_1Si_{13.5}B_9$ alloy using two methods **160**: 275
Kaczmarek, R., L. Bouguila, D. Sadarnac, Magnetic loss in MnZn ferrite under trapezoidal 1 MHz voltage supply **160**: 49
Kaczmarek, R., see X. Duan **160**: 133
Kaczmarek, W.A., Structural and magnetic properties of cobalt-doped iron oxide particles prepared by novel mechanochemical method **157/8**: 264
Kaczmarska, K., see S. Juszczyk **157/8**: 499
Kaczmarska, K., see A. Guzik **157/8**: 683
Kaczmarska, K., see A. Guzik **161**: 103
Kaczorowski, D., see G.E. Grechnev **157/8**: 702
Kadomatsu, H., see T. Tsutaoka **167**: 249
Kadowaki, K., see H. Takeya **157/8**: 611
Kadowaki, S., see S. Ishio **164**: 208
Kadykova, G.N., see T.K. Lyakhovich **155**: 253
Kahle, H.G., see W. Kratz **161**: 249
Kahol, P.K., see A.J. Dyakonov **167**: 115
Kai, T., see M. Kobayashi **166**: 329
Kai, Y., see M. Ishizuka **166**: 211
Kaiser, H., see K. Theis-Bröhl **166**: 27
Kakatkar, S.S., see S.V. Kakatkar **159**: 361
Kakatkar, S.V., S.S. Kakatkar, R.S. Patil, P.K. Maskar, A.M. Sankapal, S.S. Suryawanshi, N.D. Chaudhari, S.R. Sawant, X-ray and bulk magnetic properties of aluminium substituted ferrites **159**: 361
Kakazei, G.N., N.A. Lesnik, The study of the perpendicular anisotropy in the nanocrystalline Ni and Co films **155**: 57
Kakehashi, Y., see M. Yu **162**: 189
Kąkol, Z., see A. Kozłowski **157/8**: 415
Kakuno, E.M., see D.H. Mosca **156**: 391
Kaleta, J., S. Tumański, J. Żebracki, Magnetoresistors as a tool for investigating the mechanical properties of ferromagnetic materials **160**: 199
Kalitsov, A., see A. Granovsky **166**: 193
Kalmykov, Yu.P., see W.T. Coffey **164**: 133
Kalogirou, O., see V. Psycharis **153**: 75
Kalogirou, O., see M. Angelakeris **165**: 334
Kamarád, J., M.R. Ibarra, L. Morellon, P.A. Algarabel, Z. Arnold, Volume dependence of magnetic ordering temperatures of $R_3(FeTi)_{29}$ (R = Pr, Nd, Gd and Tb) compounds **157/8**: 381
Kamarád, J., see Z. Arnold **157/8**: 81

Kamarád, J., see T.D. Cuong **157/8**: 694
Kamarád, J., see K.V. Kamenev **167**: 254
Kamberský, V., P. de Haan, J. Šimšová, S. Porthun, R. Gemperle, J.C. Lodder, Domain wall theory and exchange stiffness in Co/Pd multilayers **157/8**: 301
Kamei, T., see H. Kondo **155**: 332
Kamenev, K.V., J. Kamarád, B. Idzikowski, Z. Arnold, Effect of pressure on the Curie temperature of $R_xCo_{70-x}B_{30}$ (R = Y, Tm) amorphous alloys **167**: 254
Kamijo, A., Facet growth in Fe/Cr(110) superlattices **156**: 137
Kamijyo, Y., see T. Nakata **160**: 119
Kamishima, K., see A.V. Andreev **169**: 229
Kamiya, M., see K. Hara **161**: 287
Kamiyama, S., see A. Satoh **154**: 183
Kamzin, A.S., V.L. Rozenbaum, L.P. Ol'khovik, E.D. Kovtun, Diagnostics of the surface and near-surface region of barium hexaferrite monocrystals **161**: 139
Kamzin, A.S., see L.P. Ol'khovik **154**: 365
Kan, T., see T. Takamiya **160**: 131
Kanada, T., M. Enokizono, K. Kawamura, J.D. Sievert, Two-dimensional magnetic properties of a three-phase amorphous transformer core **160**: 77
Kanai, Y., see H. Fukunaga **157/8**: 63
Kanai, Y., see H. Fukunaga **157/8**: 105
Kanao, S., see M. Enokizono **160**: 73
Kane, S.N., K. Ruwali, A. Gupta, L. Kraus, V. Hašlar, Creep-induced magnetic anisotropy in amorphous $Fe_{25}Co_{60}B_{15}$ **157/8**: 519
Kane, S.N., N. Bhagat, A. Gupta, L.K. Varga, Effect of quenching rate on spin texture in amorphous $Fe_{73.5}Cu_1Nb_3Si_{13.5}B_9$ alloys **167**: 241
Kaneko, T., see S. Ohta **163**: 117
Kaneyoshi, T., Phase diagrams and tricritical behavior of a diluted mixed spin Ising model in a random field **151**: 45
Kaneyoshi, T., Ferrimagnetism in a decorated transverse Ising system **162**: 21
Kaneyoshi, T., see M. Jaščur **168**: 47
Kang, S.S., J.W. Feng, G.J. Jin, M. Lu, X.N. Xu, A. Hu, S.S. Jiang, H. Xia, Magnetic anisotropy of Ni/Al multilayers **166**: 277
Kang, S.S., see J.W. Feng **152**: 27
Kang, S.S., see J.W. Feng **156**: 239
Kang, S.S., see J.W. Feng **156**: 241
Kanno, T., see S. Oikawa **156**: 73
Kantor, R., see J. Pištora **157/8**: 283
Kao, C.-C., see V. Chakarian **165**: 52
Kao, C.C., see A. Déchelette-Barbara **165**: 87
Kapoor, J., see Y. Li **165**: 165
Kappel, W., E. Burzo, V. Pop, Magnetic properties of $Nd_2Fe_{14-x}M_xC$ compounds **157/8**: 35
Kappler, J.-P., see J. Vogel **165**: 96
Kaprzyk, S., see J. Tobola **157/8**: 708
Kaprzyk, S., see J. Tobola **159**: 192
Kaptás, D., see L.F. Kiss **160**: 229
Kapusta, Cz., ^{139}La NMR study of $RE_2Fe_{14}B$ compounds (RE = La,Nd,Y) **157/8**: 71
Kapusta, Cz., H. Figiel, J.S. Lord, G.J. Tomka, P.C. Riedi, K.H.J. Buschow, X.C. Kou, G. Wiesinger, NMR study of $SmTM_{12-x}M_x$ (TM = Fe, Co, M = Ti, Mo) **157/8**: 109
Kapusta, Cz., J.S. Lord, P.C. Riedi, NMR study of the Sm_2Fe_{17} hydrides **159**: 207
Karaoulanis, D., J.P. Xanthakis, C. Papatriantafillou, The nature of the magnetic phase of diluted magnetic semiconductors below the nearest-neighbour percolation threshold **161**: 231
Karche, B.R., B.V. Khasbardar, A.S. Vaingankar, X-ray, SEM and magnetic properties of Mg–Cd ferrites **168**: 292
Karim, R., C. Vittoria, The engineering of ferrite films at the atomic scale **167**: 27
Kariya, T., see M. Jimbo **165**: 304
Karpenko, B.V., A.V. Kuznetsov, V.V. Dyakin, On the magnetic susceptibility of tenorite **152**: 116
Kashiwabara, S., see Y. Jyoko **156**: 35
Kashiwabara, S., see Y. Jyoko **165**: 280
Kasperkovitz, P., see U. Außerlechner **157/8**: 579
Kasuya, T., D.X. Li, Mechanism of anomalously weak magnetic scattering in Gd monopnictides **166**: L1
Kasuya, T., D.X. Li, Mechanism of strong ferromagnetism in GdN **167**: L1
Kasyutich, O.I., see V.M. Fedosyuk **156**: 345
Kaszuwara, W., see M. Leonowicz **157/8**: 45
Katanin, A.A., see V.Yu. Irkhin **164**: 66
Kataoka, N., see H. Sato **152**: 109
Kariya, T., see M. Jimbo **165**: 304
Karpenko, B.V., A.V. Kuznetsov, V.V. Dyakin, On the magnetic susceptibility of tenorite **152**: 116
Kashiwabara, S., see Y. Jyoko **156**: 35
Kashiwabara, S., see Y. Jyoko **165**: 280
Kasperkovitz, P., see U. Außerlechner **157/8**: 579
Kasuya, T., D.X. Li, Mechanism of anomalously weak magnetic scattering in Gd monopnictides **166**: L1
Kasuya, T., D.X. Li, Mechanism of strong ferromagnetism in GdN **167**: L1
Kasyutich, O.I., see V.M. Fedosyuk **156**: 345
Kaszuwara, W., see M. Leonowicz **157/8**: 45
Katanin, A.A., see V.Yu. Irkhin **164**: 66
Kataoka, N., see H. Sato **152**: 109
Katayama, T., Y. Suzuki, W. Geerts, Magneto-optical transition due to a formation of quantum well states in magnetic ultra-thin films and multilayers **156**: 158
Katayama, T., W. Geerts, Y. Suzuki, D. Fujitani, N. Okuzawa, Oscillation of magneto-optical Kerr effect in Co ultra-thin films **156**: 171
Katayama, T., see H. Takeshita **165**: 38
Katayama, T., see Y. Suzuki **165**: 134

Kato, H., see M. Shindo **161**: L1
Kato, Y., see S. Oikawa **165**: 394
Katsnelson, M.I., see V.Yu. Irkhin **164**: 66
Katsumata, K., see H. Yamazaki **156**: 135
Katter, M., see W. Fernengel **157/8**: 19
Kavečanský, V., see O. Duša **154**: 54
Kawaguchi, E., see A. Saito **160**: 57
Kawaguchi, K., M. Sohma, Y. Oosawa, Magnetic properties of Fe/EuO multilayered films **156**: 235
Kawai, Y., V.A.M. Brabers, Z. Šimša, Elastic and magneto-elastic properties of Mn-rich manganese ferrites **157/8**: 537
Kawakita, S., T. Sakurai, A. Kikuchi, T. Shimatsu, M. Takahashi, Effect of surface cleanness on the magnetic properties of CoNiCr and CoCrTa thin-film media fabricated using an ultraclean sputtering process **155**: 172
Kawakita, S., see A. Kikuchi **155**: 238
Kawamura, K., see T. Kanada **160**: 77
Kawamura, Y., see A. Kojima **162**: 95
Kawana, T., T. Takeda, T. Uchimi, K. Sato, Archival stability of metal evaporated tape **155**: 273
Kawarazaki, S., M. Sato, Y. Miyako, Three-step magnetic phase transition in $NdCu_2$ as studied by neutron diffraction **153**: 202
Kawawake, Y., H. Sakakima, Erratum to: Magnetoresistance in epitaxial [NiFe/Cu/Co(/Cu)] films [*Journal of Magnetism and Magnetic Materials* 149 (1995) L255–L259] **152**: 233
Kawawake, Y., see H. Sakakima **156**: 405
Kawawake, Y., see H. Sakakima **165**: 108
Kawazoe, Y., see X. Hu **153**: 380
Kawazoe, Y., see Z.-Q. Li **167**: 123
Kayzel, F.E., J.J.M. Franse, J.H.P. Colpa, N.-H. Kim-Ngan, L.T. Tai, R.J. Radwański, D. Gignoux, High-field magnetization and specific heat of $TmNi_5$ **157/8**: 409
Kayzel, F.E., see N.-T.H. Kim-Ngan **157/8**: 407
Kazantsev, V.A., see V.V. Ustinov **156**: 227
Kedous-Lebouc, A., N. Nencib, B. Cornut, S. Spornic, A new hysteresis loop for rotational losses **160**: 45
Kedous-Lebouc, A., see B. Cornut **160**: 102
Kedous-Lebouc, A., see J. Sievert **160**: 115
Kedous-Lebouc, A., see S. Spornic **160**: 147
Kedous-Lebouc, A., see N. Nencib **160**: 171
Kedous-Lebouc, A., see N. Nencib **160**: 174
Keener, C.D., M.B. Weissman, Dynamics of the re-entrant spinglass crossover in *Ni*Mn films probed via resistance fluctuations and ac magnetoresistance **152**: 317
Keer, H.V., see G.T. Bhandage **166**: 141
Keitoku, T., see J. Ariake **155**: 228
Kekalo, I.B., O.Yu. Nemova, V.E. Taranitchev, Piezomagnetic coefficients of amorphous alloys with low magnetostriction **157/8**: 181
Kelemen, M.T., see P. Rösch **164**: 175
Keller, H., H. Rengel, P. Poganiuch, Oxidation protection of magnetic iron particles by ultrathin layers of silanes **155**: 101
Keller, R., E. Schmidbauer, Magnetic properties and rotational hysteresis losses of oxidized ≈ 250 nm Fe_3O_4 particles **162**: 85
Keller, R., E. Schmidbauer, M. Hanzlik, N. Petersen, Rotational hysteresis losses of 10 nm γ-Fe_2O_3 particles at 130 K of a water-based ferrofluid and of particles produced by bacteria **162**: 327
Keller, R., see E. Schmidbauer **152**: 99
Kelly, P.J., see G.E.W. Bauer **151**: 369
Kelly, P.J., see K.M. Schep **156**: 385
Kemény, T., see L.F. Kiss **160**: 229
Kennedy, S.J., see D.H. Ryan **162**: 55
Kerkhof, J.M., see W. Oepts **165**: 356
Kerouad, M., see B. Laaboudi **164**: 128
Kessler, Ya.A., see L.I. Koroleva **157/8**: 475
Keune, W., see J. Tappert **156**: 58
Keune, W., see W.S. Kim **156**: 191
Keune, W., see F. Richomme **156**: 195
Keune, W., see J. Tappert **157/8**: 317
Keune, W., see J. Tappert **164**: 261
Keune, W., see T. Ruckert **165**: 411
Khalifeh, J., $c(2 \times 2)$ antiferromagnetic superstructure of Mn overlayers on Pd(001) **159**: 201
Khalifeh, J., Magnetic structure of vanadium overlayers on semi-infinite Nb substrate **168**: 25
Khalifeh, J.M., see D.M. Homouz **153**: 355
Khalifeh, J., see O. Elmouhssine **156**: 199
Khan, D.C., see R.E. Bornfreund **151**: 181
Khan, D.C., see V.K. Sankaranarayanan **153**: 337
Khan, H.R., Structural and magnetic properties of ion beam deposited nanocrystalline granular Co–Cu and Co–Cu–O films **165**: 297
Khan, M.A., see G. Moraitis **156**: 250
Khanlou, A., A.J. Moses, P. Ling, D. Fox, Correlation and inter-comparison between the magnetic properties of toroidal wound cores and C-cores **160**: 159
Khapikov, A.F., Interlayer exchange coupling and non-uniform magnetization processes in magnetic multilayers **156**: 130
Khasbardar, B.V., see B.R. Karche **168**: 292
Khimich, T.A., see M.K. Gubkin **154**: 351
Khlyustikov, I.N., see A.I. Smirnov **157/8**: 391
Khodjaoui, K., see L. Louail **165**: 387
Khosla, H.K., S.K. Malik, Nonlinear explosive instability of Kelvin–Helmholtz flows in magnetic fluids **164**: 390
Khrabrov, V.I., see A.G. Kuchin **159**: L309
Kido, G., K. Takehana, S. Uji, T. Terashima, S. Nimori, S. Ikeda, H. Kitazawa, M. Oshikiri, H. Aoki, High-field studies at the Tsukuba magnet laboratories **157/8**: 550
Kief, M.T., see S. Gangopadhyay **161**: 43

Kikuchi, A., I. Okamoto, J. Nakai, S. Kawakita, T. Shimatsu, M. Takahashi, Intergranular coupling and recording properties of CoCrTa and CoNiCr thin-film media fabricated using an ultraclean sputtering process **155**: 238
Kikuchi, A., see S. Kawakita **155**: 172
Kikuchi, A., see J. Nakai **155**: 234
Kim, C.S., see H.T. Kim **152**: 387
Kim, D., see H. Matsuda **155**: 250
Kim, D.H., T.K. Kim, W.S. Park, Y.B. Kim, Magnetocrystalline anisotropy of $Sm_2Fe_{17}N_{2.8}$ **163**: 373
Kim, H.T., Y.B. Kim, C.S. Kim, T.K. Kim, H. Jin, Magnetocrystalline anisotropy of $(Sm_{0.5}RE_{0.5})$-$Fe_{11}Ti$ compounds (RE = Ce, Pr, Nd, Sm, Gd and Tb) **152**: 387
Kim, I.J., see H. Sato **152**: 109
Kim, J.D., see A.C. Daykin **153**: 293
Kim, K.J., R.R. Vedula, P.D. Glasgow, P. Jacobs, J. Farkas, Functionalized TPU for advanced media applications **155**: 73
Kim, K.-Y., see S.-C. Yu **157/8**: 237
Kim, P., see I. Edelman **161**: 299
Kim, S., see J.M. Gallego **156**: 397
Kim, S.G., see C. Peng **152**: 417
Kim, S.G., see C. Peng **162**: 362
Kim, S.G., see C. Peng **162**: 369
Kim, S.-K., V.A. Chernov, Y.-M. Koo, Evidence for diffuse interfaces and tensile in-plane strains in evaporated Co/Pd (111) multilayers and their role in perpendicular magnetic anisotropy **170**: L7
Kim, T.K., see H.T. Kim **152**: 387
Kim, T.K., see D.H. Kim **163**: 373
Kim, W.S., W. Kleemann, S. Neumann, J. Tappert, B. Scholz, W. Keune, Temperature dependence of magnetization processes in ferrimagnetic bilayers Tb/Fe **156**: 191
Kim, W.S., see J.C. Oliveira de Jesus **151**: 259
Kim, W.S., see J. Tappert **156**: 58
Kim, W.S., see J. Tappert **157/8**: 317
Kim, W.S., see J. Tappert **164**: 261
Kim, W.T., see Y.G. Yoo **157/8**: 233
Kim, W.T., see S.W. Paik **169**: 145
Kim, Y.B., H. Jin, Determination of saturation magnetic polarization of uniaxial magnetocrystalline anisotropic material from low field data **169**: 114
Kim, Y.B., see H.T. Kim **152**: 387
Kim, Y.B., see D.H. Kim **163**: 373
Kim, Y.D., see Y.G. Yoo **157/8**: 233
Kim-Ngan, N.-T.H., R.J. Radwański, F.E. Kayzel, J.J.M. Franse, High-field magnetization studies of $NdNi_5$ **157/8**: 407
Kim-Ngan, N.-T.H., see C. Marquina **157/8**: 403
Kim-Ngan, N.-H., see F.E. Kayzel **157/8**: 409
Kim-Ngan, N.-T.H., see Z. Tarnawski **157/8**: 663
Kimoto, K., Y. Hirayama, M. Futamoto, Compositional separation in CoCrTa perpendicular magnetic thin films **159**: 401
Kimura, N., see Y. Tanaka **170**: 289
Kinoshita, E., see T. Hiraoka **153**: 124
Kirby, R.D., see K.W. Wierman **154**: 12
Kirchmayr, H., see R. Spolenak **157/8**: 715
Kirillova, M.M., see V.V. Ustinov **156**: 179
Kirilyuk, A., J. Giergiel, J. Shen, J. Kirschner, On the Barkhausen volume in ultrathin magnetic films with perpendicular anisotropy **159**: L27
Kirov, S., see E. Gan'shina **165**: 346
Kirov, S.A., see E.A. Gan'shina **157/8**: 243
Kirpenko, A.G., see V.G. Kostishyn **160**: 363
Kirpenko, A.G., see V.G. Kostishyn **160**: 365
Kirschbaum, U., see G. Dumpich **161**: 37
Kirschner, J., see J. Shen **156**: 104
Kirschner, J., see A. Kirilyuk **159**: L27
Kirschner, J., see C.M. Schneider **162**: 7
Kirschner, J., see M. Zharnikov **165**: 250
Kirschner, J., see W. Kuch **170**: L13
Kisdi-Koszó, É., I. Szabó, Z. Vértesy, M. Kuźmiński, P. Kollár, Magnetic properties of finemet-type thin layers **160**: 333
Kisdi-Koszò, É., see L.K. Varga **159**:L321
Kisdi-Koszó, É., see L. Novák **160**: 261
Kishan, P., see J. Dash **152**: L1
Kisielewski, M., A. Maziewski, A. Stupakiewicz, G. Vértesy, M. Królikowski, Observation of the magnetic aftereffect in $(YSmCa)_3(FeGe)_5O_{12}$ films **157/8**: 315
Kisielewski, M., see V.G. Kleparski **157/8**: 309
Kiss, L.F., G. Huhn, T. Kemény, J. Balogh, D. Kaptás, Magnetic properties of Fe–Zr metastable phases **160**: 229
Kitada, M., K. Yamamoto, K. Momata, Soft magnetic properties of NiFe–Ru thin films and their application to biasing films in magnetoresistive elements **161**: 397
Kitakami, O., H. Takashima, Y. Shimada, Study of NiO/NiFe/Cu/NiFe spin valves **164**: 43
Kitazawa, H., see G. Kido **157/8**: 550
Klabunde, K.J., see L. Yiping **164**: 357
Kläsges, R., see C. Carbone **156**: 259
Kleemann, W., see J.C. Oliveira de Jesus **151**: 259
Kleemann, W., see J. Mattsson **152**: 129
Kleemann, W., see W.S. Kim **156**: 191
Kleemann, W., see J.C. Oliveira de Jesus **169**: 159
Kleineberg, T., A generalized approach for modelling the nonlocal memory of hysteretic systems **166**: 315
Kleinerman, N.M., see N.V. Mushnikov **167**: 93
Kleparskaya, E.V., see M.K. Gubkin **154**: 351
Kleparski, V.G., M. Kisielewski, A. Maziewski, Domain formation in polycrystalline garnet films **157/8**: 309
Klestov, S.A., see Yu.V. Kochetkov **157/8**: 665
Kletowski, Z., P. Sławiński, T. Cichorek, Very low temperature resistivity of the $PrPb_3$ compound **162**: 277

Kletowski, Z., R. Fabrowski, P. Slawiński, Z. Henkie, Resistance of some $REMe_3$ compounds, RE = La and Lu, Me = Sn, Pb, In, and Ga **166**: 361
Kliava, J., see R. Berger **167**: 129
Klik, I., C.-R. Chang, Hysteresis of hexagonal lattice arrays **155**: 31
Klinkhammer, F., Ch. Sauer, E.Yu. Tsymbal, S. Handschuh, Q. Leng, W. Zinn, Interface roughness in Fe(100)/Cr film structures studied by CEMS **161**: 49
Klokholm, E., C.V. Jahnes, Comments on "Magnetostriction and internal stresses in thin films: the cantilever method revisited" **152**: 226
Klose, F., see J. Tappert **156**: 58
Klose, F., see J. Tappert **157/8**: 317
Klose, F., see J. Tappert **164**: 261
Knappmann, S., see W. Wulfhekel **163**: 267
Knehans-Schmidt, R., see J. Schneider **157/8**: 27
Knobel, M., C. Gómez-Polo, M. Vázquez, Evaluation of the linear magnetostriction in amorphous wires using the giant magnetoimpedance effect **160**: 243
Knobel, M., M. Vázquez, M.L. Sánchez, A. Hernando, Effect of tensile stress on the field response of impedance in low magnetostriction amorphous wires **169**: 89
Knobel, M., see M. Tejedor **152**: 191
Knobel, M., see P. Allia **157/8**: 319
Knobel, M., see M. Dahlgren **160**: 247
Knobel, M., see R.H. Yu **164**: 99
Ko, D., H. Oesterreicher, Magnetic and electronic properties of specially processed $YBa_2(Cu_{0.95}Ni_{0.05})_3O_y$ **157/8**: 661
Ko, K.Y., S. Yoon, The local environmental effect on the magnetic properties of $CoAl_{1-x}Fe_x$ alloys **162**: 117
Kobayashi, H., see N. Takahashi **160**: 98
Kobayashi, H., see S. Matsuo **161**: 255
Kobayashi, H., see H. Onodera **170**: 201
Kobayashi, K., D. Givord, J.M.D. Coey, Magnetisation reversal in $Sm_2Fe_{17}N_3$ particles **157/8**: 97
Kobayashi, M., T. Kai, N. Takano, Y. Ohashi, K. Shiiki, Effect of Nb addition to Ni and Fe on electronic structure and magnetic properties **166**: 329
Kobayashi, M., see M. Ishizuka **166**: 211
Kobayashi, T., see S. Ishio **164**: 208
Kobayashi, Y., S. Nasu, T. Emoto, T. Shinjo, ^{197}Au Mössbauer study of Au/M (M = Fe, Co, Ni) multilayers **156**: 45
Kobayashi, Y., H. Sato, Y. Aoki, R. Loloee, W.P. Pratt Jr., Transport properties of Co/Cu(Mn) multilayers **156**: 362
Kobayashi, Y., see H. Sato **156**: 247
Kobayashi, Y., see Y. Aoki **162**: 1
Kobe-Beseničar, S., see B. Saje **157/8**: 76
Kobelev, A.V., see N.G. Bebenin **165**: 468
Köbler, U., J. Schweizer, P. Chieux, Th. Lorenz, B. Büchner, W. Schnelle, F. Deloie, W. Zinn, Evidence for biquadratic exchange interactions in $GdAg_{1-x}Zn_x$ **170**: 110
Koch, R., M. Weber, K. Thürmer, K.H. Rieder, Magnetoelastic coupling of Fe at high stress investigated by means of epitaxial Fe(001) films **159**: L11
Kochetkov, Yu.V., V.N. Nikiforov, S.A. Klestov, A.V. Morozkin, An investigation of the samarium compounds $Sm_1Ru(Rh)_1Ge(Si)_1$ and $Sm_1Ru(Rh)_2Ge(Si)_2$ **157/8**: 665
Kochetkov, Yu.V., see V.N. Nikiforov **163**: 184
Kochmann, T., Relationship between rotational and alternating losses in electrical steel sheets **160**: 145
Kochmann, T., see J. Sievert **160**: 115
Kochmann, T., see X. Duan **160**: 133
Kociński, J., Spatially modulated gyration tensor in MnSe/ZnTe superlattice **156**: 186
Kociński, J., see M. Wierzbicki **156**: 184
Kodama, N., see H. Suzuki **155**: 196
Koeman, N.J., see K. Temst **156**: 109
Kogiku, F., see T. Nakata **160**: 119
Koguma, K., see I. Sakamoto **165**: 208
Koh, J.G., see J.M. Song **152**: 383
Köhler, J., see M. Albrecht **170**: 67
Kohlhepp, J., F.J.A. den Broeder, Magnetic coupling in sputtered Fe/Si-type multilayers **156**: 261
Kohlhepp, J., F.J.A. den Broeder, M. Valkier, A. van der Graaf, Apparent strong biquadratic contributions to the interlayer exchange coupling in Fe/Si multilayers **165**: 431
Kohlhepp, J., see A. van der Graaf **165**: 157
Kohlhepp, J., see J.J. de Vries **165**: 435
Kohlhepp, J.T., see J.M. Gaines **165**: 439
Kohout, J., see H. Štěpánková **157/8**: 393
Koike, H., see K. Yamada **157/8**: 563
Koizumi, H., Y. Ando, T. Miyazaki, Ferromagnetic resonance in 80Ni–Fe/Cu/Co multilayer films **164**: 293
Koizumi, H., see Y. Ando **166**: 75
Kojima, A., H. Horikiri, Y. Kawamura, A. Makino, A. Inoue, T. Masumoto, Soft magnetic properties of bulk nanocrystalline Fe–(Nb, Zr, Hf)–B alloys produced by extruding amorphous powders **162**: 95
Kojima, H., see Yu.V. Bugoslavsky **157/8**: 671
Kok, K.Y., M.J. Hall, J.A. Leake, Microstructural characterisation of Co/Cu multilayers using X-ray diffraction **156**: 51
Koksharov, Yu.A., see V.N. Nikiforov **163**: 184
Kolano, R., N. Wójcik, W. Gawior, A three-limb amorphous magnetic circuit for three-phase 200 kVA distribution transformers **160**: 213
Kolano, R., see W. Gawior **157/8**: 207
Kolar, D., see B. Saje **157/8**: 76

Kolb, E., M.J. Walker, E. Vélu, M.A. Howson, P. Veillet, D. Greig, J.P. Renard, C. Dupas, Giant magnetoresistance of dissymmetrical Co/Au multilayers **156**: 377
Kolb, E., see J. Xu **156**: 379
Kolb, E., see M. Finazzi **165**: 373
Kolenda, M., see R. Troć **151**: 102
Kolenda, M., see A. Szytuła **153**: L255
Kolenda, M., see A. Szytuła **153**: 273
Kolenda, M., see A. Zygmunt **161**: 127
Kolenda, M., see T. Jaworska-Gołąb **164**: 371
Kolenda, M., see A. Szytuła **164**: 377
Kollár, P., J. Füzer, P. Matta, T. Švec, M. Konč, Magnetic properties of $Fe_{73.5}Cu_1Nb_{3-x}U_xSi_{13.5}B_9$ ($x = 1$, 2, 3) nanocrystalline alloys **157/8**: 213
Kollár, P., see J. Füzer **157/8**: 205
Kollár, P., see É. Kisdi-Koszó **160**: 333
Kolmakova, N.P., A.M. Tishin, J. Bohr, On the single-ion magnetic anisotropy of the rare-earth metals **161**: 245
Kolmakova, N.P., see I.S. Dubenko **153**: 207
Kolodin, P.A., B. Hillebrands, Spin-wave propagation across periodically corrugated thin metallic ferromagnetic films **161**: 199
Kolovrat, J., D. Rafaja, Quasi-single crystal alignment of ferro(i)magnetic powder particles with negative cubic anisotropy **157/8**: 597
Kolpakova, L., J. Pietrzak, V. Starodub, The nature of magnetic anisotropy in ilmenite $NiFe_{0.5}V_{0.5}O_{3-\delta}$ **160**: 374
Kolpakova, L., see P. Pawlicki **160**: 372
Komatubara, M., see T. Takamiya **160**: 131
Komiyama, K., see S. Tsunashima **165**: 111
Komiyama, K., see M. Jimbo **165**: 308
Konč, M., see O. Duša **154**: 54
Konč, M., see J. Kováč **157/8**: 197
Konč, M., see J. Füzer **157/8**: 205
Konč, M., see P. Kollár **157/8**: 213
Konč, M., see I. Gościańska **157/8**: 321
Konc, M., see L. Novák **160**: 261
Kondo, H., Y. Hisamichi, T. Kamei, Lubrication of modified perfluoropolyether on magnetic media **155**: 332
Koneracká, M., V. Závišová, P. Kopčanský, J. Jadżyn, G. Czechowski, B. Żywucki, Study of the magnetic Fredericksz transition in ferronematics **157/8**: 589
Koneracká, M., see P. Kopčanský **157/8**: 587
Kong, L.-s., see B.-g. Shen **151**: 111
Kong, L.-s., see B.-g. Shen **153**: 332
Kong, Y., see C.L. Yang **151**: L19
Konn, A.M., see P. Laurent **160**: 63
Konygin, G.N., see V.V. Maikov **151**: 167
Konygin, G.N., see E.P. Yelsukov **166**: 334
Koo, Y.-M., see S.-K. Kim **170**: L7
Kools, J.C.S., see K.-M.H. Lenssen **156**: 63
Kools, J.C.S., see M.F. Gillies **161**: L17
Kools, J.C.S., see A. van der Graaf **165**: 479
Koon, N.C., see X. Sui **155**: 132
Kopčanský, P., P. Macko, M. Koneracká, V. Závišová, Magneto-dielectric behaviour of concentrated magnetic fluid **157/8**: 587
Kopčanský, P., see M. Koneracká **157/8**: 589
Kopcewicz, M., see M. Czapkiewicz **160**: 357
Kopylov, A.V., see R.Z. Levitin **170**: 223
Korczak, S.Z., see M.L. Paradowski **166**: 231
Korczak, W., see M.L. Paradowski **166**: 231
Kornyushin, Y., Penetration of a weak magnetic field in inhomogeneous type-II superconductors **151**: 246
Koroleva, L.I., Ya.A. Kessler, L.N. Lukina, T.V. Virovets, D.S. Filimonov, New magnetic semiconductors $Fe_{1-x}Cr_{2(1-x)}Sn_{2x}S_4$ **157/8**: 475
Korolyov, A.V., see V.S. Gaviko **157/8**: 659
Korolyov, A.V., see M.I. Bartashevich **163**: 199
Korolyov, A.V., see N.V. Mushnikov **163**: 322
Kortright, J.B., Status and limitations of multilayer X-ray interference structures **156**: 271
Korznikova, G.F., see Kh.Ya. Mulyukov **153**: 241
Kosaka, M., see S. Matsuo **161**: 255
Koshkina, O., see K. Bouziane **165**: 284
Koshkina, O., see J. Ben Youssef **165**: 288
Kosobukin, V.A., Non-local magneto-optics of ultrathin ferromagnetic layers mediated by surface plasmon-polaritons **153**: 397
Kostikas, A., see L. Yiping **164**: 357
Kostishyn, V.G., L.M. Letyuk, M.N. Shipko, V.D. Fedoriv, Mössbauer conversive spectroscopy of radiation defects in gamma-irradiated magnetic garnets **160**: 361
Kostishyn, V.G., L.M. Letyuk, M.N. Shipko, A.G. Kirpenko, Influence of corona discharge on the hysteresis loop of magnetic garnet films **160**: 363
Kostishyn, V.G., L.M. Letyuk, A.G. Kirpenko, A.T. Morchenko, M.N. Shipko, Hard bubble suppression in (Ca, Ge)-substituted magnetic epigarnets by high-dose gamma-irradiation **160**: 365
Košturiak, A., J. Polavka, L. Valko, J. Sláma, A. Grusková, M. Miglierini, Magneto-polymer composites prepared from metallo-organic iron complexes **153**: 184
Košturiak, A., L. Valko, J. Polavka, Correlation relations between magnetic characteristics of coated and heat treated amorphous $Fe_{100-x}B_x$ alloys **169**: 105
Košturiak, A., see M. Zentková **157/8**: 581
Köszegi, L., see M. de Jong **152**: 326
Koterlyn, M.D., see I.D. Shcherba **157/8**: 688
Kottler, V., N. Essaidi, N. Ronarch, C. Chappert, Y. Chen, Dichroic imaging of magnetic domains with a scanning near-field optical microscope **165**: 398
Kottler, V., see J. Caulet **165**: 349

Kotur, B., see J.J. Wysłocki **162**: 239

Kou, X.C., E.H.C.P. Sinnecker, R. Grössinger, Determination of the magnetocrystalline anisotropy of R–T compounds with the easy magnetization direction perpendicular to the *c*-axis **157/8**: 83

Kou, X.C., see Cz. Kapusta **157/8**: 109

Kou, X.C., see J.C. Téllez-Blanco **164**: L1

Kouacou, M.A., see J. Tobola **159**: 192

Koumina, A., see J. Tobola **157/8**: 708

Koutani, S., G. Gavoille, Non-equilibrium behavior in a disordered magnetic system **152**: 54

Kováč, J., O. Duša, M. Konč, T. Švec, P. Sovák, Temperature behaviour of magnetization of $Fe_{74-x}Cr_xNb_3Cu_1Si_{13}B_9$ amorphous and nanocrystalline alloys **157/8**: 197

Kováč, J., see A. Kowalczyk **152**: L279

Kováč, J., see O. Duša **154**: 54

Kováč, J., see M. Zentková **157/8**: 581

Kováč, J., see A. Kowalczyk **166**: 237

Kovalsky, V.A., see Yu.V. Bugoslavsky **157/8**: 671

Kovtun, E.D., see A.S. Kamzin **161**: 139

Kowalczyk, A., J. Baszyński, A. Szajek, J. Kováč, I. Škorvánek, Temperature behavior of magnetization of $DyCo_2$ compound **152**: L279

Kowalczyk, A., A. Szajek, J. Baszyński, J. Kováč, G. Chełkowska, The influence of partial substitution of Co by Al atoms on the magnetic properties of $DyCo_2$ compound **166**: 237

Kowalczyk, A., see A. Szajek **157/8**: 723

Kowata, A., see K. Yamada **157/8**: 563

Koyama, K., H. Fujii, S. Suzuki, Magnetic properties of interstitially modified compounds $Sm_3(Fe,M)_{29}Z_x$ (M = Ti, V, Cr and Z = H or N) **161**: 118

Kozlova, T.M., see M.V. Prudnikova **166**: 201

Kozlovskii, M.P., I.V. Pylyuk, V.V. Dukhovii, Equation of state of the 3D Ising model with an exponentially decreasing potential in the external field **169**: 335

Kozłowski, A., P. Metcalf, Z. Kąkol, J.M. Honig, Electrical transport and magnetization measurements of $Fe_{3-z}Al_zO_4$, $z < 0.06$ **157/8**: 415

Kraan, W.H., P.T. Por, M.Th. Rekveldt, Small angle neutron scattering in Co–Cr films in perpendicular and non-perpendicular transmission **155**: 219

Kraan, W.H., see P.T. Por **155**: 86

Kraan, W.H., see P.T. Por **155**: 306

Kraan, W.H., see P.T. Por **162**: 139

Kramp, S., M. Febri, Ph. l'Héritier, P. Ezekwenna, J.C. Joubert, Synthesis of magnetic intermetallics and their interstitial hydrides **157/8**: 73

Kratz, W., H.G. Kahle, W. Paul, An ac method for measuring the specific heat of small probes and an application in the study on $Gd_2O_2SO_4$ **161**: 249

Kratzer, M., see S. Becker **155**: 376

Kraus, L., V. Hašlar, O. Heczko, K. Závěta, Creep-induced magnetic anisotropy and magnetostriction in partly nanocrystalline $Fe_{74}Nb_3Cu_1Si_{13}B_9$ alloy **157/8**: 151

Kraus, L., see V. Hašlar **153**: 63

Kraus, L., see V. Basso **157/8**: 217

Kraus, L., see S.N. Kane **157/8**: 519

Kraus, L., see V. Hašlar **160**: 257

Kraus, L., see O. Heczko **160**: 259

Kraus, L., see Z. Kaczkowski **160**: 275

Kraus, L., see B. Ljungcrantz **160**: 305

Kraus, L., see G. Vértesy **164**: 163

Krause, T.W., K. Mandal, C. Hauge, P. Weyman, B. Sijgers, D.L. Atherton, Correlation between magnetic flux leakage and magnetic Barkhausen noise: Stress dependence in pipeline steel **169**: 207

Krause, T.W., see Y. Yu **166**: 290

Krauss, P.R., see S.Y. Chou **155**: 151

Kravčák, J., see P. Vojtaník **157/8**: 175

Kravtsov, E.A., see V.V. Ustinov **156**: 337

Krembel, C., see P. Schieffer **165**: 180

Kremer, R.K., see R. Pöttgen **152**: 196

Krenn, H., H. Enichlmair, J. Sperl, SQUID magnetocalorimetry of disordered and artificially structured magnetic semiconductors **157/8**: 561

Krewenka, R., see P.A. Algarabel **157/8**: 521

Krey, U., see A. Paintner **154**: 107

Krey, U., see S. Krompiewski **164**: L263

Krill, G., see M. Finazzi **165**: 78

Krill, G., see J. Vogel **165**: 96

Krill, G., see S. Andrieu **165**: 191

Krill, G., see M. Finazzi **165**: 373

Krishna, R.M., see R.P. Pant **164**: 143

Krishnan, K.M., see D.J. Rogers **163**: 393

Krishnan, R., M. Seddat, M. Porte, M. Tessier, Magnetic and magneto-optical properties of Co_xNi_{1-x}/Au multilayers **156**: 167

Krishnan, R., T. Catinaud, M. Seddat, M. Porte, M. Tessier, Magnetisation and anisotropy studies in sputtered TM/V (TM = Fe, Co, Ni) multilayers **159**: 175

Krishnan, R., L. Driouch, H. Lassri, Y. Dumond, A. Ajan, S.N. Shringi, S. Prasad, Magnetic and Mössbauer studies of amorphous $Fe_{72-x}Y_xHo_8B_{20}$ alloys **163**: 353

Krishnan, R., A. Das, M. Porte, Interface enhanced magnetic moment and anisotropy in Fe/Au multilayers **168**: 15

Krishnan, R., see J. Dash **152**: L1

Krishnan, R., see H. Lassri **153**: 5

Krishnan, R., see M. Slimani **153**: 132

Krishnan, R., see J.W. Boyle **156**: 33

Krishnan, R., see A. Fnidiki **156**: 41

Krishnan, R., see M.M.P. de Azevedo **156**: 357

Krishnan, R., see L. Driouch **157/8**: 149

Krishnan, R., see A. Lisfi **157/8**: 258
Krishnan, R., see P. Poulopoulos **163**: 27
Krishnan, R., see H. Lassri **163**: 339
Krishnan, R., see H. Lassri **163**: 345
Krishnan, R., see M. Slimani **163**: 349
Krishnan, R., see L. Driouch **167**: 47
Krivoruchko, V., see V. Doroshev **157/8**: 669
Krok-Kowalski, J., J. Warczewski, T. Mydlarz, A. Pacyna, I. Okońska-Kozłowska, Magnetic superexchange interactions and metamagnetic phase transitions in the single crystals of the spinels $ZnCr_{2-x}In_xSe_4$ ($0 \leq x \leq 0.14$) **166**: 172
Krok-Kowalski, J., T. Groń, J. Warczewski, T. Mydlarz, I. Okońska-Kozłowska, Ferrimagnetism and metamagnetism in $Cd_{1-x}Cu_xCr_2S_4$ spinels **168**: 129
Krokhmalskii, T., see O. Derzhko **157/8**: 421
Królikowski, M., see M. Kisielewski **157/8**: 315
Krompiewski, S., F. Süss, U. Krey, First-principles studies of modulated Co/Cu superlattices with strongly and weakly exchange-biased Co-monolayers **164**:L263
Kronkalns, G., see E. Blums **169**: 220
Kronmüller, H., see G. Rieger **151**: 193
Kronmüller, H., see B. Hofmann **152**: 91
Kronmüller, H., see A. Neuweiler **153**: 28
Kronmüller, H., see R. Fischer **153**: 35
Kronmüller, H., see A.A. Coelho **163**: 87
Kronmüller, H., see Ch.V. Mohan **163**: 96
Kronmüller, H., see M. Vázquez **164**: 319
Kronmüller, H., see J. van Lier **167**: 43
Krop, K., see J. Marzec **157/8**: 413
Krüger, P., O. Elmouhssine, C. Demangeat, J.C. Parlebas, Magnetic structure of bct manganese in the bulk and at the (001) surface **156**: 91
Krüger, P., see O. Elmouhssine **156**: 199
Krüger, S.E., see J. Richter **156**: 433
Krüger, S.E., see J. Richter **157/8**: 336
Kruk, R., see R. Troć **151**: 102
Krupička, S., see M. Maryško **157/8**: 469
Kryder, M.H., see X. Sui **155**: 132
Krynetskii, I., see L. Gładczuk **168**: 316
Kuanr, A.V., see B.K. Kuanr **165**: 275
Kuanr, B.K., Effect of the strong relaxer cobalt on the parallel and perpendicular pumping spin-wave instability threshold of LiTi ferrites **163**: 164
Kuanr, B.K., A.V. Kuanr, FMR studies on Fe/Cr/Fe trilayer ultrathin films; magnetocrystalline anisotropy and electromagnetic impedance **165**: 275
Kuanr, B.K., Effect of rare-earth Gd^{3+} on instability threshold of YIG **170**: 40
Kubinski, D.J., H. Holloway, Co/Cu multilayers with reduced magnetoresistive hysteresis **165**: 104
Kubinski, D.J., see E. Jędryka **165**: 292
Kubinski, D.J., see H. Holloway **170**: 95
Kubota, H., M. Sato, T. Miyazaki, Anomalous temperature dependence of the giant magnetoresistance in Ni/Cu, $Ni_{95}Co_5$/Cu and $Ni_{95}Fe_5$/Cu multilayer films **167**: 12
Kubrakov, N.F., see R. Atkinson **156**: 169
Kučera, M., P. Beránková, K. Nitsch, M. Matyáš Jr., Low-temperature Faraday effect in charge-uncompensated garnet Ca:YIG **157/8**: 323
Kučera, M., P. Beránková, M. Matyáš Jr., V. Sechovský, L. Havela, Polar Kerr effect in UNiGa **157/8**: 700
Kucera, M., see K. Wagner **161**: 57
Kuch, W., A. Dittschar, M.-T. Lin, M. Salvietti, M. Zharnikov, C.M. Schneider, J. Kirschner, J. Camarero, J.J. de Miguel, R. Miranda, Direct evidence for complete antiferromagnetic coupling between Co films epitaxially grown on Cu(111) using Pb as surfactant **170**: L13
Kuch, W., see M. Zharnikov **165**: 250
Kuchin, A.G., A.S. Ermolenko, V.I. Khrabrov, G.M. Makarova, E.V. Belozerov, Original magnetic behaviour observed in $RNi_{5-x}Cu_x$ alloys (R = Pr, Gd or Y) **159**:L309
Kuchko, A.N., see Yu.I. Gorobets **157/8**: 303
Kudakov, A.D., see V.E. Zubov **157/8**: 297
Kudakov, A.D., see V.E. Zubov **160**: 19
Kudakov, A.D., see D.Y. Bi **160**: 157
Kudrnovský, J., V. Drchal, I. Turek, M. Šob, P. Weinberger, Interlayer magnetic coupling: effect of disorder in spacer **156**: 245
Kudrnovský, J., see P. Bruno **165**: 128
Kuentzler, R., D. Schmitt, A. Tari, The effect of the exchange interaction on the specific heat of $Pr(Ni_{1-c}Co_c)_5$ compounds **162**: 314
Kühn, U., see M. Müller **157/8**: 209
Kühn, U., see M. Müller **160**: 284
Kuhnen, C.A., see A.V. dos Santos **166**: 223
Kuhrt, C., Magnetic properties of nanocrystalline mechanically alloyed Fe–TM–C powder (TM = Ta, Hf, W, Mo, Nb, Zr, and Ti) **157/8**: 235
Kulakowski, K., J. Gonzalez, P. Aragoneses, Stress dependence of bistability in Co-based amorphous wires **162**: 355
Kulakowski, K., see P. Aragoneses **168**: 177
Kułakowski, K., see A. Miktus **160**: 341
Kulatov, E.T., Yu.A. Uspenskii, S.V. Halilov, Spin, orbital moments and magneto-optical properties of MPt_3 (M = Cr, Mn, Fe, Co) compounds **163**: 331
Kulik, T., A. Hernando, Magnetic properties of $Fe_{76.5-x}Cu_1Nb_xSi_{13.5}B_9$ alloys nanocrystallized from amorphous state **160**: 269
Kulkarni, R.G., B.S. Trivedi, H.H. Joshi, G.J. Baldha, Magnetic properties of copper ferrite aluminates **159**: 375
Kumagai, S., T. Yaoi, T. Miyazaki, Spin tunneling magnetoresistance in $NiFe/Al_2O_3/Co$ junctions with reduced dimensions formed using photolithography **166**: 71

Kumar, N., see J. Dash **152**: L1
Kumasaka, N., see S. Otomo **159**: 256
Kuncser, V., see I. Mihalca **157/8**: 161
Kuncser, V., see M. Seqqat **157/8**: 225
Kundracik, F., see B. Kvasnica **162**: 43
Kundu, A., see A. Nafalski **160**: 84
Kunnen, E., see G. Gladyszewski **156**: 381
Kuo, L.H., see W. Van Roy **165**: 149
Kurihara, Y., H. Osawa, Y. Okamoto, H. Muraoka, Y. Nakamura, Performance of PRML systems in perpendicular magnetic recording by a bi-layered main-pole head **157/8**: 262
Kurkina, L.I., O.V. Farberovich, Magnetic moments and magnetic susceptibility of 3d impurities in small Al particles **157/8**: 725
Kurlyandskaya, G.V., T.Ye. Zayarnaya, V.M. Gundyrev, The effect of slight plastic deformation on the formation of induced magnetic anisotropy in Fe–3%Si alloy in the course of thermomechanical treatment above the Curie point **157/8**: 541
Kurlyandskaya, G.V., N.V. Dmitrieva, T.Ye. Zayarnaya, V.A. Lukshina, A.P. Potapov, The thermomechanical treatment of an amorphous Co-based alloy with a low Curie temperature **160**: 307
Kurnosov, V., see V. Eremenko **157/8**: 484
Kushauer, J., see J. Mattsson **152**: 129
Kushnir, A.P., see I.D. Shcherba **157/8**: 688
Kuss, C., see C. Kussbach **160**: 293
Kussbach, C., R. Sato Turtelli, C. Kuss, D. Holzer, R. Grössinger, Magnetostriction and disaccommodation in $Fe_{85}B_{15}$ **160**: 293
Kutjanskyj, R.R., see I.D. Shcherba **157/8**: 688
Kuz'min, M.D., A method of determining the crystal field parameters in rare earth paramagnets by means of torque magnetometry **154**: 333
Kuzma, M., see S.B. Ubizskii **157/8**: 279
Kuźmiński, M., Computerized magneto-optical Kerr effect system for dynamic domain structure observations **160**: 191
Kuźmiński, M., see É. Kisdi-Koszó **160**: 333
Kuznetsov, A.A., see A.R. Harutyunyan **162**: 338
Kuznetsov, A.V., see B.V. Karpenko **152**: 116
Kvasnica, B., F. Kundracík, Fitting experimental anhysteretic curves of ferromagnetic materials and investigation of the effect of temperature and tensile stress **162**: 43
Kvitkovič, J., M. Majoroš, Three-axis cryogenic Hall sensor **157/8**: 440
Kvyatkovsky, B.E., see I.V. Golosovsky **169**: 123
Kwon, S.J., see S.G. Lee **153**: 279
Kyprianidis, I.M., C.A. Achilleos, I.A. Tsoukalas, H. Bremers, J. Hesse, Magnetic phase transitions in FeCrBSi alloys **161**: 203

l'Héritier, Ph., see S. Kramp **157/8**: 73
l'Héritier, Ph., see M. Febri **157/8**: 103
l'Héritier, Ph., see P.C. Ezekwenna **168**: 149
Laaboudi, B., M. Kerouad, The isotropic Blume–Emery–Griffiths model with four spin interactions **164**: 128
Labarta, A., see X. Batlle **157/8**: 191
Labarta, A., see R. Ribas **157/8**: 351
Labat, S., see O. Thomas **156**: 31
Labat, S., see D. Boursier **165**: 205
Labeyrie, M., see R. Lebourgeois **160**: 329
Labrune, M., J. Miltat, Wall structures in ferro/antiferromagnetic exchange-coupled bilayers: a numerical micromagnetic approach **151**: 231
Lacroix, C., see C. Pinettes **166**: 59
Laffargue, D., F. Bourée, B. Chevalier, T. Roisnel, P. Gravereau, J. Etourneau, Crystal and magnetic structures of the ternary stannides $U_2Pd_{2+y}Sn_{1-y}$ **170**: 155
Laffargue, D., see R.P. Pinto **157/8**: 698
Laforest, J., see M. Valeanu **157/8**: 383
Laget, V., S. Rouba, P. Rabu, C. Hornick, M. Drillon, Long range ferromagnetism in tunable cobalt(II) layered compounds up to 25 Å apart **154**: L7
Lagutin, A.S., see R.Z. Levitin **170**: 223
Lähderanta, E., see K. Eftimova **154**: 193
Lähderanta, E., see K. Eftimova **166**: 179
Lai, J.K.L., see Y.Z. Shao **163**: 103
Lai, W.Y., C.Y. Pan, Y.Z. Wang, M.L. Yan, S.X. Li, C.T. Yu, Giant magnetoresistance effect observed in Fe/Mo superlattices formed by magnetron sputtering **155**: 358
Laidler, H., I. Pape, C.I. Gregory, B.J. Hickey, B.K. Tanner, X-ray and magnetoresistance measurements of annealed Co/Cu multilayers **154**: 165
Laidler, H., B.J. Hickey, T.P.A. Hase, B.K. Tanner, R. Schad, Y. Bruynseraede, Effect of annealing on the roughness and GMR of Fe/Cr multilayers **156**: 332
Laidler, H., see I. Pape **156**: 373
Laiho, R., see K. Eftimova **154**: 193
Laiho, R., see K. Eftimova **166**: 179
Lain, K.D., see H.M. Duh **153**: 86
Lamarche, A.-M., see J.C. Woolley **162**: 347
Lamarche, A.-M., see J.C. Woolley **164**: 154
Lamarche, G., see J.C. Woolley **162**: 347
Lamarche, G., see J.C. Woolley **164**: 154
Lambert-Andron, B., see A. Guzik **157/8**: 683
Lambeth, D.N., see D.E. Laughlin **155**: 146
Lampel, G., see H.-J. Drouhin **151**: 417
Lane, A.M., see A.A. Potanin **170**: 298
Lang, P., L. Nordström, K. Wilderberger, R. Zeller, P.H. Dederichs, Ab-initio calculations of the interlayer exchange coupling in Co/Cu **156**: 229
Lang, P., see K. Wildberger **165**: 454
Langer, G., see L. Daróczi **156**: 417
Langer, J., R. Mattheis, S. Schmidt, St. Senz, T. Zimmermann, Unexpected growth of GMR

multilayers: ⟨111⟩ in-plane texture and grain bundling in 5 nm Fe/(Co/Cu)$_{24}$ **156**: 19
Lapertot, G., see P. Javorský **159**: 324
Lapertot, G., see P. Javorský **164**: 183
Lapovok, A.J., see G.V. Bolshakov **162**: 112
Larin, V., see A.P. Zhukov **151**: 132
Larin, V., see A. Zhukov **170**: 323
Lassailly, Y., see H.-J. Drouhin **151**: 417
Lassri, H., R. Krishnan, M. Baran, Magnetisation studies in Tb–Fe/Pt single and multilayers **153**: 5
Lassri, H., A. Qachaou, A. Belayachi, A. Itri, N. Hassanaïn, A. Berrada, M. El Yamani, R. Krishnan, Influence of small addition of Er on the magnetic properties of amorphous $Co_{80}Er_xB_{20-x}$ alloys **163**: 339
Lassri, H., A. Habiballah, E.H. Sayouty, R. Krishnan, Magnetic behaviour of $Fe_{80-x}V_xB_{12}Si_8$ metallic glasses **163**: 345
Lassri, H., see M. Slimani **153**: 132
Lassri, H., see A. Fnidiki **156**: 41
Lassri, H., see M. Slimani **163**: 349
Lassri, H., see R. Krishnan **163**: 353
Łątka, K., see R. Troć **151**: 102
Latorre, R., see J. Dufour **157/8**: 125
Latosińka, J.N., see P. Pawlicki **160**: 372
Laughlin, D.E., Y.C. Feng, D.N. Lambeth, L.-L. Lee, L. Tang, Design and crystallography of multilayered media **155**: 146
Laughlin, D.E., see T. Pan **155**: 309
Laughlin, D.E., see B.Y. Wong **169**: 178
Lauhoff, G., see J.A.C. Bland **165**: 46
Laulicht, I., A.V. Pomyalov, J. Barak, Low power induced lineshape asymmetry of new ferromagnetic resonance lines in YIG films **154**: L291
Laulicht, I., A.V. Pomyalov, J. Barak, Erratum to: Low power induced lineshape asymmetry of new ferromagnetic resonance lines in YIG films **162**: 121
Laurent, P., G. Viau, A.M. Konn, Ph. Gelin, M. Le Floc'h, Effect of the magnetic fraction on the complex susceptibility of soft magnetic composite materials **160**: 63
Laurent, P., see J.-L. Mattei **160**: 23
Lauriat, J.P., see A. Barbara **156**: 111
Lavrenova, L.G., see S.B. Erenburg **157/8**: 595
Lawler, J.F., R.G.P. van der Kraan, H. van Kempen, A.J. Quinn, The growth of Cr on Cu(001) and Ag(001) studied by scanning tunneling microscopy **165**: 195
Lawler, J.F., R. Schad, S. Jordan, H. van Kempen, Structure of epitaxial Fe films on MgO(100) **165**: 224
Lazar, D.P., see N. Plugaru **157/8**: 647
Lazar, D.P., see N. Plugaru **162**: 50
Łazarczyk, P., T. Story, M. Arciszewska, R.R. Gałązka, Magnetic phase diagram of $Pb_{1-x-y}Sn_yMn_xTe$ semimagnetic semiconductors **169**: 151
Lázaro, F.J., see J.L. García **157/8**: 272
Le Breton, J.M., see G. Ravach **157/8**: 173
Le Dang, K., see P. Beauvillain **154**: 160
Le Dang, K., see A. Anane **165**: 377
Le Floc'h, M., see J.-L. Mattei **160**: 23
Le Floc'h, M., see P. Laurent **160**: 63
Le Fur, C., see R. Lebourgeois **160**: 329
Le Gall, H., see K. Bouziane **165**: 284
Le Gall, H., see J. Ben Youssef **165**: 288
Leake, J.A., see K.Y. Kok **156**: 51
Leake, J.A., see M.J. Hall **156**: 119
Lebedev, A.V., see A.F. Pshenichnikov **161**: 94
Lebedev, S.P., see A.A. Mukhin **157/8**: 496
Lebertois, J.P., see F. Richomme **156**: 181
Lebertois, J.P., see A. Fnidiki **165**: 405
Leblanc, M., I. Collin-Fèvre, G. Férey, The magnetic structures of Mn_2PO_4F and Co_2PO_4F at 1.2 K **167**: 71
Lebourgeois, R., C. Le Fur, M. Labeyrie, M. Paté, J.P. Ganne, Permeability mechanisms in high frequency polycrystalline ferrites **160**: 329
Lecaude, N., J.C. Perron, Modelling of nanocrystallization in Finemet-type alloy from enthalpy measurements **160**: 263
Leccabue, F., see V.V. Maikov **151**: 167
Leccabue, F., see S. Díaz **151**: 173
Leciejewicz, J., see A. Szytuła **153**: 273
Leciejewicz, J., see A. Zygmunt **161**: 127
Leciejewicz, J., see A. Szytuła **164**: 377
Leciejewicz, J., see S. Baran **170**: 143
Lecis, N., see G. Zangari **157/8**: 256
Lederman, D., see J.M. Gallego **156**: 397
Lee, C.-M., C.-R. Chang, Energy product for nanostructured two-phase magnets **157/8**: 129
Lee, F.C., see G. Skutt **160**: 318
Lee, J., see J.A.C. Bland **165**: 46
Lee, J.J.K., see H. Tian **155**: 329
Lee, L.-L., see D.E. Laughlin **155**: 146
Lee, S.-F., see A. Fert **165**: 115
Lee, S.-F., see V. Cros **165**: 512
Lee, S.G., S.J. Kwon, Saturation magnetizations and Curie temperatures of Co–Zn Y-type ferrites **153**: 279
Lee, S.H., see S.W. Paik **169**: 145
Lee, S.K., see C. Peng **152**: 417
Lee, S.K., see C. Peng **162**: 362
Lee, S.K., see C. Peng **162**: 369
Lee, W.S., see M.Y. Chern **170**: L243
Lee, Y., see Q. Shen **152**: 139
Leeb, H., see G. Lientschnig **157/8**: 525
Leeb, H., see M. Hochhold **157/8**: 575
Lees, M.R., see J.M. Martin **159**: 223
Lefakis, H., M. Benaissa, P. Humbert, V.S. Speriosu, J. Werckmann, B.A. Gurney, Structure and magnetism of Ta/Co/Ta sandwiches **154**: 17
Lefebvre, S., see A. Michel **156**: 23
Lefebvre, S., see R. Schad **156**: 339

Lefèvre, S., see A. Déchelette-Barbara **165**: 87
Legras, R., see L. Piraux **165**: 352
Lehlooh, A.-F., S.H. Mahmood, Mössbauer spectroscopy of Fe_3O_4 ultrafine particles **151**: 163
Lehlooh, A.F., see H. El-Ghanem **169**: 130
Lehner, A., see F. Weingart **155**: 77
Lehnert, A., see W. Fernengel **157/8**: 19
Leithe-Jasper, A., P. Rogl, G. Wiesinger, A. Rainbacher, R. Hatzl, M. Forsthuber, A Sn^{119} Mössbauer study of $RE_6M_{13}Sn$ (RE = La, Pr, Nd; M = Fe, Co) and their hydrides **170**: 189
Leithe-Jasper, A., see S. Wirth **167**: L7
Lejay, P., see A. Vernière **153**: 55
Lejay, P., see B. Fåk **154**: 339
Lemarchand, D., see V. De Pauw **169**: 82
Lemine, O.M., see Ph. Bauer **165**: 220
Lenczowski, S.K.J., see M.A.M. Gijs **151**: 333
Lenczowski, S.K.J., see E.A.M. van Alphen **156**: 29
Leng, Q., see F. Klinkhammer **161**: 49
Lenssen, K.-M.H., J.C.S. Kools, A.E.M. De Veirman, J.J.T.M. Donkers, M.T. Johnson, A. Reinders, R. Coehoorn, MBE-grown spin valves **156**: 63
Leonowicz, M., W. Kaszuwara, S. Wojciechowski, H.A. Davies, Irreversible losses of magnetisation in Fe–Nd–B type magnets **157/8**: 45
Leonowicz, M., P.J. McGuiness, G.P. Hatch, H.A. Davies, I.R. Harris, Crystallographic and magnetic alignment in hot-rolled $Pr_{20}Fe_{74}B_4Cu_2$ alloys **166**: 165
Lepalovskij, V.N., V.O. Vas'kovskij, Magnetoresistive 3d-metal alloy films with low coercive force **160**: 343
Lesmes, F., see C. Prados **156**: 369
Leśniewska, B., see A. Bombik **168**: 139
Lesnik, N.A., see G.N. Kakazei **155**: 57
Lessmann, A., see E. Snoeck **151**: 24
Letyuk, L.M., see V.G. Kostishyn **160**: 361
Letyuk, L.M., see V.G. Kostishyn **160**: 363
Letyuk, L.M., see V.G. Kostishyn **160**: 365
Leung, L.K., see H.H. Man **152**: 40
Leung, L.K., see H.H. Man **152**: 47
Leuridan, K., see X. Duan **160**: 133
Levitin, R.Z., V.V. Snegirev, A.V. Kopylov, A.S. Lagutin, A. Gerber, Magnetic method of magnetocaloric effect determination in high pulsed magnetic fields **170**: 223
Levitin, R.Z., see I.S. Dubenko **153**: 207
Levitin, R.Z., see I.S. Dubenko **157/8**: 629
Levitin, R.Z., see R. Szymczak **157/8**: 667
Levitin, R.Z., see I.V. Golosovsky **169**: 123
Levshin, N.L., see V.E. Zubov **160**: 19
Levy, J.C.S., see M. Jackson **170**: 22
Levy, P.M., S. Zhang, Our current understanding of giant magnetoresistance in transition-metal multilayers **151**: 315
Levy, P.M., S. Zhang, Current status of our understanding of magnetotransport in magnetic multilayers **164**: 284
Lévy, J.-C.S., see D. Mercier **163**: 207
Lezama, L., see J.M. Rojo **157/8**: 493
Lezama, L., see A. Goñi **164**: 251
Li, C.-X., see S.-H. Ge **168**: 35
Li, D., see S.D. Bader **156**: 153
Li, D.X., see T. Kasuya **166**: L1
Li, D.X., see T. Kasuya **167**: L1
Li, F., J. Yang, D. Xue, R. Zhou, X-ray diffraction and Mössbauer studies of the $(Fe_{1-x}Ni_x)_4N$ compounds ($0 \leq x \leq 0.5$) **151**: 221
Li, F.S., see C.L. Yang **151**: L19
Li, F.S., see B.X. Gu **167**: 105
Li, H., S.T. Jiang, L.M. Mei, R.W. Gao, J.M. Dong, X.H. Ding, Study of the exchange coupling and magnetism in Nd_2Fe_{17} **163**: 125
Li, H.-S., R.-W. Huang, L.-P. Han, Y.-W. Ge, Spin reorientation of $R(Fe,V)_{12}$ compounds **153**: 329
Li, H.-S., R.C. Mohanty, A. Raman, C.G. Grenier, Magnetic properties of $Nd_2Fe_{14-x}Be_xB$ **162**: 301
Li, H.-S., R.C. Mohanty, A. Raman, C.G. Grenier, R.E. Ferrell, Magnetocrystalline anisotropy of $Y_2Fe_{17-x}Ga_x$ **166**: 365
Li, J., R. Sinclair, S.S. Rosenblum, H. Hayashi, As-deposited crystalline barium ferrite thin film media for longitudinal recording **153**: 246
Li, J., S.S. Rosenbluem, H. Hayashi, R. Sinclair, Magnetic and structural characteristics of sputtered barium ferrite thin films **155**: 157
Li, J.Y., see B.W. Wang **162**: 343
Li, J.Y., see C.H. Wu **163**: 360
Li, J.Y., see S.L. Tang **164**: 215
Li, J.Y., see C.H. Wu **166**: 249
Li, Q., see B.W. Wang **162**: 343
Li, Q., see S.L. Tang **164**: 215
Li, Q.A., N. Tang, Z.G. Zhao, K.H.J. Buschow, F.R. de Boer, High-field magnetization of $RCo_{10}Si_2$-type of compounds (R = Y, Dy, Ho, Er, Tm) **157/8**: 399
Li, R.Q., see C.H. Wu **163**: 360
Li, S., P.P. Freitas, S. Cardoso, J.C. Soares, B. Almeida, J.B. Sousa, $[FeTaN/TaN]_n$ soft multilayers for write head pole pieces **165**: 363
Li, S.X., see W.Y. Lai **155**: 358
Li, W.Z., see J.L. Wang **159**: 357
Li, X.G., A. Chiba, S. Takahashi, Preparation and magnetic properties of ultrafine particles of Fe–Ni alloys **170**: 339
Li, Y., C. Polaczyk, J. Kapoor, D. Riegel, Reduced magnetization in Gd/W multilayers **165**: 165
Li, Y., C. Polaczyk, D. Riegel, Magnetic anisotropy of thin Fe films grown on Ni **165**: 227
Li, Z.-Q., Y. Hashi, Y. Kawazoe, Magnetic properties of nanoscale Fe clusters in Cu **167**: 123
Li, Z.S., see X.R. Huang **162**: 253

Li, Z.W., A.H. Morrish, Studies of spectra for gas-phase prepared $Sm_2Fe_{17-x}Si_xC_y$ **163**: 193
Liang, B., see B.-g. Shen **151**: 111
Liang, B., see B.-g. Shen **153**: 332
Liang, Y., see X.Q. Zhao **164**: 401
Licci, F., G. Turilli, P. Ferro, Determination of manganese valence in complex La–Mn perovskites **164**: L268
Licci, F., G. Turilli, P. Ferro, Erratum to: Determination of manganese valence in complex La–Mn perovskites **170**: 240
Liebs, M., see H. Schmauder **151**: L1
Lientschnig, G., H. Leeb, G. Badurek, Rigorous analytic proof of the intrinsic anisotropy in neutron depolarisation **157/8**: 525
Liesert, S., P. de Rango, J.L. Soubeyroux, D. Fruchart, R.P. de la Bâthie, Anisotropic and coercive HDDR Nd–Fe–B powders prepared under magnetic field **157/8**: 57
Lijun, W., see J. Zbroszczyk **160**: 281
Lileev, A.S., A.G. Ayuyan, W. Steiner, M. Reissner, Low-temperature magnetization reversal processes in permanent magnets based on $R_2T_{14}B$ **157/8**: 373
Lin, C.-L., T. Yeh, G. Wang, J.-C. Lin, J.M. Sivertsen, J.H. Judy, Structure and magnetic properties of CoCrTa films deposited on thin NiFe films **155**: 168
Lin, C.R., S.T. Lin, I.S. Lyubutin, Magnetic properties of the icosahedral $(Al,Ge)_{70}Pd_{12.5}Mn_{17.5}$ quasicrystals **151**: 155
Lin, H.J., see V. Chakarian **156**: 265
Lin, J.-C., see C.-L. Lin **155**: 168
Lin, J.Y., see R.J. Bandaranayake **169**: 289
Lin, K.J., see H.M. Duh **153**: 379
Lin, M.-T., see J. Shen **156**: 104
Lin, M.-T., see W. Kuch **170**: L13
Lin, P., see Y. Hayakawa **160**: 143
Lin, S.T., see C.R. Lin **151**: 155
Lin, S.Y., J. Ferg, P. Biswas, R. Enzweiler, P. Boolchand, Characterization of maghemite ferric oxide crystals processed by an aerosol technique **159**: 147
Lindbaum, A., see I.S. Dubenko **157/8**: 629
Linderoth, S., see M.S. Pedersen **164**: 327
Ling, P., see A. Khanlou **160**: 159
Liou, D.R., see M.Y. Chern **170**: L243
Liou, S.H., see S.S. Malhotra **161**: 316
Liou, S.H., see Z.S. Shan **161**: 323
Lipiński, S., Magnetic moments contribution to the specific heat and susceptibility of heavy Fermion system **170**: L248
Lisfi, A., M. Guyot, R. Krishnan, M. Porte, P. Rougier, V. Cagan, Microstructure and magnetic properties of spinel and hexagonal ferrimagnetic films prepared by pulsed laser deposition **157/8**: 258
Lisovskii, F.V., see I.E. Dikshtein **167**: 34
Lisunov, K.G., see K. Eftimova **154**: 193
Litsardakis, G., see C. Michelakis **157/8**: 347
Liu, B., W.W. Clegg, Computer modelling of spatial temperature gradient dependence of magnetic field modulation in magneto-optic recording **155**: 379
Liu, B., W.W. Clegg, Modelling of boundary regularity and thermo-magnetic writing process of magneto-optic recording **155**: 382
Liu, B.-G., F.-C. Pu, G. Czycholl, Effects of next-nearest-neighbor exchange on the magnetic properties of layered antiferromagnets **154**: 369
Liu, B.X., see X.Q. Zhao **164**: 401
Liu, G., see Q. Ba **163**: 327
Liu, G.-D., see J. Tan **164**: 211
Liu, J.F., H.A. Davies, Magnetic properties of cobalt substituted $Nd_2Fe_{14}B/\alpha$-Fe nanocomposite magnets processed by overquenching and annealing **157/8**: 29
Liu, J.P., see M. Solzi **157/8**: 85
Liu, P.-Y., H.-P.D. Shieh, Center aperture detection on magnetically induced super resolution magneto-optical disks **155**: 385
Liu, T., N. Chen, Z.X. Xu, R.Z. Ma, The amorphous-to-nanocrystalline transformation in $Fe_{73.5}Cu_1Nb_3Si_{13.5}B_9$ studied by thermogravimetry analysis **152**: 359
Liu, T., Z.X. Xu, R.Z. Ma, Structural defects and internal stress field distribution in nanocrystalline $Fe_{73.5}Cu_1Nb_3Si_{13.5}B_9$ **152**: 365
Liu, T., see J. Tan **164**: 211
Liu, W., see Z.-q. Jin **169**: 135
Liu, W., see Y.C. Sui **170**: L17
Liu, Y., see S.S. Malhotra **161**: 316
Liu, Y., see Z.S. Shan **161**: 323
Liu, Y., see H.Y. Sun **162**: 235
Liu, Y.-h., see S.-s. Yan **168**: 55
Ljungcrantz, B., R. Grössinger, L. Kraus, Anisotropy measurements on stress annealed amorphous $Co_{17}Fe_{68}B_{15}$ and $Co_{23}Fe_{62}B_{15}$ **160**: 305
Lo, C.-K., see Z.H. Nazir **156**: 435
Lo Bue, M., G. Bertotti, Temperature dependence of hysteresis loops in non-oriented SiFe alloys **160**: 51
Lobov, I.D., see V.V. Ustinov **156**: 179
Lodder, J.C., Magnetic structures in Co–Cr media for perpendicular magnetic recording **159**: 238
Lodder, J.C., see S. de Haan **155**: 193
Lodder, J.C., see S.B. Luitjens **155**: 261
Lodder, J.C., see A.H.J. Immink **155**: 279
Lodder, J.C., see E.O. Samwel **155**: 292
Lodder, J.C., see Q. Meng **156**: 296
Lodder, J.C., see W.P. Van Drent **156**: 309
Lodder, J.C., see K. Tsutsumi **156**: 327
Lodder, J.C., see V. Kamberský **157/8**: 301
Lodder, J.C., see R. Atkinson **162**: 131
Lodder, J.C., see S. de Haan **168**: 321
Loewenhaupt, M., P. Tils, K.H.J. Buschow, R.S. Eccleston, Exchange interactions in Gd–Fe

compounds studied by inelastic neutron scattering **152**: 10
Loloee, R., see J.L. Duvail **151**: 324
Loloee, R., see Y. Kobayashi **156**: 362
Loloee, R., see S.D. Steenwyk **170**: L1
Long, G.J., F. Grandjean, The importance of the Wigner–Seitz cell volume in determining the cobalt site occupancy in $Nd_2(Fe,^{57}Co)_{14}B$ **162**: 162
Long, G.J., see S.R. Mishra **162**: 167
López, A., see J.L. García **157/8**: 272
López, E., see M. Rodríguez-Franco **153**: 141
López, E., see M. Rodríguez **157/8**: 177
López, E., see C. Favieres **157/8**: 329
López, E., see E.M. Alcalá **157/8**: 436
López, E., see J.L. Prieto **157/8**: 449
López-Mateos, F., see J. Dufour **157/8**: 125
López Quintela, M.A., see J. Mira **164**: 241
López-Quintela, M.A., see P. Vaqueiro **169**: 56
López-Urías, F., J. Dorantes-Dávila, H. Dreyssé, Co ultra-thin films on Pd(111): magnetic anisotropy of the Co/Pd interface **165**: 262
Lopušník, R., see M. Nývlt **156**: 175
Lopušník, R., see J.A.C. Bland **156**: 177
Lord, D.G., see C.J. Tatnall **165**: 391
Lord, J.S., see Cz. Kapusta **157/8**: 109
Lord, J.S., see Cz. Kapusta **159**: 207
Lorenz, R., J. Hafner, Magnetic anisotropies of thin fcc Fe-layers on Cu(100) **157/8**: 514
Lorenz, R., see Ch. Becker **157/8**: 619
Lorenz, R., see D. Spišák **166**: 303
Lorenz, Th., see U. Köbler **170**: 110
Loshkareva, N.N., see Y.P. Sukhorukov **159**: 342
Louail, L., K. Ounadjela, M. Hehn, K. Khodjaoui, M. Gester, H. Danan, R.L. Stamps, Magnetic configurations in multilayers: Temperature dependent cone states and narrow stripe domains **165**: 387
Louail, L., K. Ounadjela, R.L. Stamps, Temperature-dependent thin-film cone states in epitaxial Co/Pt multilayers **167**:L189
Loze, M.K., B.K. Middleton, A. Ryley, Wavelength, frequency and interface effects in magnetic recording system replay noise spectra **159**: 249
Lu, M., see J.W. Feng **152**: 27
Lu, M., see J.W. Feng **156**: 239
Lu, M., see S.S. Kang **166**: 277
Lu, S.L., see W.C. Chang **157/8**: 89
Lü, R.Y., T. Hashimoto, T. Funayama, M. Sahashi, T. Toriyama, Magnetoelastic properties of $Gd(Fe_{1-x}Co_x)_2$ and $Dy(Fe_{1-x}Co_x)_2$ **151**: 33
Lü, Y.-Y., see S.-H. Ge **168**: 35
Lubecka, M., L.J. Maksymowicz, R. Żuberek, Exchange constant of magnetic semiconductors with reentrant transition **160**: 21
Lubinski, G., see J. Manske **168**: 249
Luby, Š., see M. Jergel **156**: 117
Luby, S., see E. Majkova **156**: 415
Luca, E., see R. Bădescu **170**: 235
Lucaci, P., see I. Lupsa **157/8**: 696
Luciński, T., D. Elefant, G. Reiss, J. Dubowik, Hall effect in an annealed Fe/Cr multilayer exhibiting GMR **160**: 347
Luciński, T., F. Stobiecki, K. Chrzumnicka, Magnetoresistance studies of discontinuous multilayer thin Co/Ag films **160**: 354
Luciński, T., D. Elefant, G. Reiss, P. Verges, The concept of the existence of interfacial superparamagnetic entities in Fe/Cr multilayers **162**: 29
Lüdke, J., see H. Ahlers **160**: 187
Luis, F., J. Bartolomé, J. Tejada, E. Martínez, AC susceptibility study of the magnetic relaxation phenomena in CrO_2 digital compact cassette magnetic tapes **157/8**: 266
Luitjens, S.B., S.E. Stupp, J.C. Lodder, Metal evaporated tape: state of the art and prospects **155**: 261
Lukina, L.N., see L.I. Koroleva **157/8**: 475
Lukshina, V.A., see G.V. Kurlyandskaya **160**: 307
Lundqvist, P., see C. Johansson **157/8**: 599
Lunedei, E., G. Matteucci, B.G. Frost, J. Greve, Observation of the stray field of thin film magnetic tips using electron holography **157/8**: 434
Lunney, J.G., see D. Cole **165**: 246
Luo, H.L., see Y.J. Tang **152**: 70
Luo, H.-L., see D.-H. Han **161**: 376
Lupsa, I., E. Burzo, P. Lucaci, Magnetic behaviour of $U_{1-x}Y_xAl_3$ and $U_{1-x}La_xAl_3$ compounds **157/8**: 696
Lusth, J.C., see S.L. Burkett **168**:L233
Lütgemeier, H., see H. Štěpánková **157/8**: 393
Lütgemeier, H., see K. Wagner **161**: 57
Lyakhova, M.B., see N.P. Suponev **157/8**: 376
Lyakhovich, T.K., G.N. Kadykova, Coercivities of different recording media types for ion-beam-deposited and annealed samples **155**: 253
Lyberatos, A., see J.S. Earl **155**: 367
Lyubchanskii, I.L., Theory of optical second harmonic generation in magnetic films with domain structure **157/8**: 307
Lyubutin, I.S., see C.R. Lin **151**: 155
Lyubutin, I.S., see H.M. Duh **153**: 86
Lyubutin, I.S., see H.M. Duh **153**: 379

Ma, B.M., see W.C. Chang **167**: 65
Ma, R.Z., see T. Liu **152**: 359
Ma, R.Z., see T. Liu **152**: 365
Ma, R.-Z., see J. Tan **164**: 211
Mackay, K., see D. Givord **159**: 71
Mackenzie, R.A.D., see T.W. Usherwood **162**: 383
Macko, P., see P. Kopčanský **157/8**: 587
MacLaren, J.M., see W.H. Butler **151**: 354
Macovei, C., see C. Ioan **157/8**: 567
Madhav Rao, L., see Sk.M. Yusuf **166**: 349

Maeda, H., K. Harada, Y. Ishihara, T. Todaka, Performance of the magnetostriction of a silicon steel sheet with a bias field **160**: 149
Maeda, H., see I. Ouchi **155**: 222
Maeda, Y., see D.J. Rogers **163**: 393
Maehara, Y., see M. Uehara **159**:L304
Maehara, Y., see H. Sun **164**: 18
Maekawa, S., J. Inoue, Spin-dependent transport in magnetic nanostructures **156**: 315
Maekawa, S., see H. Itoh **156**: 343
Maevskii, V.M., see V.V. Ustinov **156**: 179
Magdoń, M.S., see A.Z. Maksymowicz **160**: 53
Magni, A., C. Beatrice, G. Durin, G. Bertotti, Stochastic approach to domain wall dynamics and ferromagnetic hysteresis **157/8**: 353
Magni, A., see G. Durin **160**: 299
Mahía, J., see J. Mira **164**: 241
Mähl, S., see A. Ślebarski **159**: 179
Mahmood, S.H., see A.-F. Lehlooh **151**: 163
Mahr, T., A. Groisman, I. Rehberg, Non-monotonic dispersion of surface waves in magnetic fluids **159**: L45
Maia Alves, J., A.M. Vallêra, Magnetic effects in transverse elastic constants of bcc Fe(Si) **157/8**: 378
Maignan, A., Ch. Simon, V. Caignaert, B. Raveau, Magnetic field dependence of the resistance and magnetization of the giant magnetoresistive $Pr_{0.7}Ca_{0.25}Sr_{0.05}MnO_3$ polycrystalline sample **152**: L5
Maignan, A., U.V. Varadaraju, F. Millange, B. Raveau, AC susceptibilities and size effect in $Ln_{0.7}(Sr, Ca)_{0.3}MnO_3$ CMR manganites **168**:L237
Maignan, A., see V. Caignaert **153**:L260
Maignan, A., see J. Wolfman **159**:L299
Maikov, V.V., A.Ye. Yermakov, Ye.P. Yelsukov, G.N. Konygin, F. Leccabue, B.E. Watts, M. Vázquez, S. Díaz Castañón, The effects of mechanical grinding on the structural and magnetic properties of $Dy_2Fe_{14}B_{1-x}C_x$ alloys **151**: 167
Mailly, D., see W. Wernsdorfer **151**: 38
Mailly, D., see S. Mangin **165**: 13
Maiorov, M., see E. Blums **169**: 220
Maiti, H.S., see M. Pal **164**: 256
Majkova, E., B. George, Ch. Bellouard, S. Luby, M. Jergel, R. Senderak, M. Babinsky, Thermal stability of Co/Si/W/Si multilayers **156**: 415
Majková, E., see M. Jergel **156**: 117
Majoroš, M., see J. Kvitkovič **157/8**: 440
Majumdar, A.K., see G. Sinha **164**: 345
Makarova, G.M., see A.G. Kuchin **159**:L309
Makhnev, A.A., see V.V. Ustinov **156**: 179
Makhro, I.G., see S.A. Nikitin **157/8**: 387
Maki, K., see H. Göktürk **154**: 279
Maki, K., see H. Göktürk **167**: 166
Makino, A., see Y. Hayakawa **154**: 175
Makino, A., see N. Hasegawa **160**: 249
Makino, A., see A. Kojima **162**: 95
Maksymowicz, A.Z., M.S. Magdoń, Effect of atomic ordering on linear magnetostriction in PdFe alloys **160**: 53
Maksymowicz, L.J., see M. Lubecka **160**: 21
Mălăescu, I., I. Hrianca, Relaxation processes of magnetite-based ferrofluids in rf magnetic fields **157/8**: 585
Malaman, B., see J.P. Sanchez **152**: 174
Malang, E.U., see M. Albrecht **170**: 67
Małecki, G., see S. Juszczyk **157/8**: 499
Maletta, H., see J. Tappert **156**: 58
Maletta, H., see J. Tappert **157/8**: 317
Maletta, H., see J. Tappert **164**: 261
Malgrange, C., see S. Pizzini **166**: 38
Malhotra, S.S., Y. Liu, Z.S. Shan, S.H. Liou, D.C. Stafford, D.J. Sellmyer, Nanocrystalline high coercivity PrCo//Cr thin films: potential high density magnetic recording media **161**: 316
Malhotra, S.S., see Z.S. Shan **161**: 323
Malik, S.K., see S. Ramakrishnan **152**: 375
Malik, S.K., see H.K. Khosla **164**: 390
Malinowski, A., see D. Satuła **151**: 211
Malinowski, A., see D. Satuła **169**: 240
Malizia, F., see D. Fiorani **157/8**: 159
Malizia, F., see P. Vavassori **157/8**: 171
Małkiński, L., A. Ślawska-Waniewska, Barkhausen jumps in FeCrCuNbSiB nanocrystalline alloy **157/8**: 195
Małkiński, L., A. Ślawska-Waniewska, Temperature dependence of the Barkhausen noise in $Fe_{66}Cr_8Cu_1Nb_3Si_{13}B_9$ nanocrystalline alloy **160**: 273
Mallah, T., see B. Siberchicot **157/8**: 417
Mallik, R., E.V. Sampathkumaran, Magnetic behavior of the alloys $(Ce_{1-x}Y_x)_2PdSi_3$ **164**: L13
Maloufi, N., see C. Bellouard **165**: 312
Mamy, R., see B. Raquet **156**: 197
Mamy, R., see M.D. Ortega **165**: 487
Mamy, R., see B. Raquet **165**: 492
Man, H.C., see H.H. Man **152**: 40
Man, H.C., see H.H. Man **152**: 47
Man, H.H., H.C. Man, L.K. Leung, Corrosion protection of NdFeB magnets by surface coatings – Part I: salt spray test **152**: 40
Man, H.H., H.C. Man, L.K. Leung, Corrosion protection of NdFeB magnets by surface coatings – Part 2: electrochemical behaviour in various solutions **152**: 47
Mandal, K., S.K. Ghatak, Field dependence of magnetization of soft ferromagnetic material **167**: 264
Mandal, K., see T.W. Krause **169**: 207
Mandal, P., see D.T. Adroja **161**: 157
Mandal, S.K., see M.V. Rane **153**: L1
Mangin, Ph., see C. Dufour **156**: 425
Mangin, Ph., see A. Mougin **165**: 168
Mangin, S., G. Marchal, W. Wernsdorfer, A. Sulpice, D. Mailly, B. Barbara, Static and dynamical study of the passage of a 180° domain wall over an artificial energy barrier **165**: 13

Mangin, S., C. Bellouard, G. Marchal, B. Barbara, Control of the magnetic anisotropy of GdFe thin films **165**: 161
Mangin, S., see V. Dupuis **165**: 42
Manivel Raja, M., A. Narayanasamy, V. Ravichandran, ^{57}Fe Mössbauer effect and X-ray studies of Nd–Fe–Sn–B permanent magnetic materials **159**: 345
Manske, J., M. Dirska, G. Lubinski, M. Schleberger, A. Närmann, R. Hoekstra, Surface magnetism studied by polarized light emission after He^+ scattering **168**: 249
Manthiram, A., see L. Zhang **168**: 85
Mao, M., see Er. Girt **163**:L251
Mao, W., see J. Yang **152**: 396
Mapps, D.J., see R. Chandrasekhar **155**: 202
Mapps, D.J., see R. Chandrasekhar **155**: 206
Mapps, D.J., see B. Tan **155**: 345
Mapps, D.J., see R. Chandrasekhar **157/8**: 326
Mapps, D.J., see H.A. Shute **157/8**: 577
Marasinghe, G.K., see S.R. Mishra **162**: 167
Marcelli, A., see J. Chaboy **166**: 149
Marcelli, R., M. Rossi, P. De Gasperis, Microwave magnetostatic wave coupled resonators **157/8**: 471
Marcelli, R., see S. Jun **167**: 223
Marchal, C., see L. Piraux **156**: 317
Marchal, G., see C. Dufour **156**: 425
Marchal, G., see S. Mangin **165**: 13
Marchal, G., see S. Mangin **165**: 161
Marchal, G., see A. Mougin **165**: 168
Marchal, G., see C. Bellouard **165**: 312
Marcus, P.M., Magnetostrictive bending of a cantilevered film–substrate system **168**: 18
Maret, M., M.C. Cadeville, R. Poinsot, A. Herr, E. Beaurepaire, C. Monier, Structural order related to the magnetic anisotropy in epitaxial (111) $CoPt_3$ alloy films **166**: 45
Margolych, I.I., see I.D. Shcherba **157/8**: 688
Marinero, E., see C. Prados **165**: 414
Markin, P.E., see N.V. Baranov **157/8**: 401
Marko, P., see T. Žák **157/8**: 453
Markosyan, A.S., see I.S. Dubenko **153**: 207
Markosyan, A.S., see I.S. Dubenko **157/8**: 629
Markosyan, A.S., see I.V. Golosovsky **169**: 123
Markowski, G., J. Szczygłowski, Magnetic cores made of VITROVAC® and VITROPERM® in separating transformers used in thyristor tripping circuits **160**: 215
Marlière, C., B.N. Engel, C.M. Falco, Influence of a non-magnetic interlayer on the magnetic anisotropy of ultra-thin Co sandwiches **156**: 209
Marlière, C., see H.-J. Drouhin **151**: 417
Marmorino, J.L., see G.C. DeFotis **154**: 83
Marquina, C., N.-T.H. Kim-Ngan, K.H.J. Buschow, J.J.M. Franse, M.R. Ibarra, Specific heat of Gd_2Zn_{17} and Yb_2Zn_{17} intermetallic compounds **157/8**: 403
Marquina, C., see C. Ritter **151**: 59
Marthouret, F., see M.A. Peccolo **160**: 47
Marti, W., see R. Przeniosło **160**: 370
Martin, J.M., D.M. Paul, M.R. Lees, D. Werner, E. Bauer, Long-range magnetic ordering in the Kondo lattice $CeCuGa_3$ **159**: 223
Martín, V.E., C.E. Reitlinger, G. Wolf, E. Schubert, H.W. Bergmann, Hard magnetic Nd–Fe–B powders produced by liquid gas atomization **157/8**: 51
Martinez, B., see V. Blaskov **162**: 331
Martinez, Ll.M., see V. Blaskov **162**: 331
Martinez, N., L. Ruiz de Angulo, I.R. Harris, Study of the effect of HDDR processing conditions on properties and microstructure of Nd–(Fe,Co,Ga)–B magnetic powders **157/8**: 17
Martínez, B., see A. Seffar **157/8**: 260
Martínez, C., see J.L. García **157/8**: 272
Martínez, E., see F. Luis **157/8**: 266
Martínez, J.L., see C. Prieto **161**: 31
Marty, A., see O. Thomas **156**: 31
Maruyama, I., see R. Imada **156**: 367
Maryanowska, A., see P. Pawlicki **160**: 372
Maryško, M., S. Krupička, Calculation of the eddy current loss in a ferrite core **157/8**: 469
Marzec, J., J. Przewoźnik, J. Żukrowski, K. Krop, Magnetism of hexagonal RMn_2: ^{57}Fe Mössbauer studies **157/8**: 413
Masharova, I.S., see V.I. Okulov **156**: 394
Maskar, P.K., see S.V. Kakatkar **159**: 361
Maslov, A.I., see V.E. Zubov **157/8**: 297
Masson, J.P., see M.A. Peccolo **160**: 47
Masumoto, T., see N. Hasegawa **160**: 249
Masumoto, T., see A. Kojima **162**: 95
Mata-Zamora, M.E., H. Arriola, N. Nava, J.M. Saniger, Iron oxohydroxide–polyacrylic acid magnetic composite materials **161**: L6
Matar, S.F., The calculated electronic and magnetic properties of U_2T_2Sn (T = Fe, Co, Ni) **151**: 263
Matar, S.F., V. Eyert, Chemical bonding and magnetism in the equiatomic intermetallic system UCoSn from first principles **166**: 321
Mathet, V., see C. Train **165**: 417
Mathieu, Ch., see S.O. Demokritov **165**: 496
Mathon, J., see M.S. Ferreira **154**: L1
Matkowskii, A.O., see S.B. Ubizskii **157/8**: 279
Matlak, M., M. Pietruszka, Thermodynamics of intermediate-valence two-band ferromagnets: magnetic properties **153**: 115
Matlak, M., M. Pietruszka, Thermodynamics of intermediate-valence two-band ferromagnets: magnetic susceptibility and dc resistivity **153**: 347
Matsubara, K., T. Nakata, M. Nakano, K. Fujiwara, H.L. Zhu, H. Takahara, A method for separating iron loss into hysteresis and eddy current losses using distorted fluxes **160**: 41

Matsubara, K., T. Nakata, N. Takahashi, K. Fujiwara, M. Nakano, H.L. Zhu, H. Aoki, Effect of staircase output voltage waveform of a D/A converter on iron losses measured using an H coil **160**: 185
Matsuda, H., I. Takasu, D. Kim, O. Takano, P.J. Grundy, Magnetic recording properties of electrolessly deposited NiXP/CoReNiMnP double layer media **155**: 250
Matsuda, H., see K. Shimokawa **154**: 271
Matsuda, H., see I. Takasu **163**: 397
Matsumoto, T., see K. Umeda **156**: 75
Matsuo, S., H. Onodera, M. Kosaka, H. Kobayashi, M. Ohashi, H. Yamauchi, Y. Yamaguchi, Antiferromagnetism of $GdCoC_2$ and $GdNiC_2$ intermetallics studied by magnetization measurement and ^{155}Gd Mössbauer spectroscopy **161**: 255
Matsushita, N., see M. Naoe **155**: 216
Matsuura, M., see M. Jimbo **165**: 308
Matsuyama, K., H. Asada, S. Ikeda, I. Chida, Magnetoresistance behavior in microfabricated trilayer strip pattern **156**: 301
Matta, P., see J. Füzer **157/8**: 205
Matta, P., see P. Kollár **157/8**: 213
Matta, P., see I. Gościańska **157/8**: 321
Mattausch, H.J., see J. Weizenecker **152**: 183
Mattei, J.-L., P. Laurent, O. Minot, M. Le Floc'h, Theoretical and experimental modelling of composites with oriented soft magnetic particles **160**: 23
Mattenberger, K., see A.L. Cornelius **161**: 169
Mattera, L., see M. Salvietti **165**: 230
Mattern, N., see M. Müller **157/8**: 209
Mattern, N., see M. Müller **160**: 284
Matteucci, G., see E. Lunedei **157/8**: 434
Mattheis, R., W. Andrä, D.V. Berkov, Linear defects in GMR multilayers **154**: 24
Mattheis, R., see J. Langer **156**: 19
Mattievich, E., see P.H. Domingues **167**: 87
Mattingley, A.D., see C. Shearwood **162**: 147
Mattoso, N., see D.H. Mosca **156**: 391
Mattsson, J., J. Kushauer, D. Bertrand, J. Ferré, P. Meyer, J. Pommier, W. Kleemann, Phase diagram and mixed phase dynamics of the dilute Ising antiferromagnet $Fe_xMg_{1-x}Cl_2$, $0.7 \leq x \leq 1$ **152**: 129
Mattsson, J., see T. Jonsson **168**: 269
Matulescu, D., see N. Plugaru **157/8**: 647
Matyáš Jr., M., see M. Kučera **157/8**: 323
Matyáš Jr., M., see M. Kučera **157/8**: 700
Matzinger, M., J. Fidler, A. Fujita, I.R. Harris, Microstructure of solid-HDDR Nd–Fe–B:Zr magnets **157/8**: 54
Matzinger, M., see C. Burkhardt **169**: 69
Mauger, A., see S. Merah **161**: 239
Mauri, D., see H.C. Siegmann **151**: L8
Maurice, J.L., see S. Dubois **165**: 30
Maurice, J.L., see L. Piraux **165**: 352
Mayer, J., see A. Bombik **168**: 139
Mayo, P.I., see P.T. Por **162**: 139
Mazaleyrat, F., J.C. Faugières, J.F. Rialland, Thermomagnetic study of Finemet type nanocrystalline alloy by in situ hysteresis measurements **159**: L33
Maziewski, A., see V.G. Kleparski **157/8**: 309
Maziewski, A., see M. Kisielewski **157/8**: 315
Maziewski, A., see A. Stankiewicz **157/8**: 357
Maziewski, A., see R. Jabłoński **160**: 367
Mazur, V., see V. Georgescu **156**: 27
Mazzaro, I., see D.H. Mosca **156**: 391
McCammon, C.A., E. De Grave, A. Pring, The magnetic structure of bernalite, $Fe(OH)_3$ **152**: 33
McCauley, J., see L. Ranno **157/8**: 291
McConochie, S.R., F. Schmidlin, P.R. Bissell, J.A. Gotaas, D.A. Parker, Interaction effects from reversal studies of single particles **155**: 89
McCormick, B.J., see A.J. Dyakonov **167**: 115
McCormick, P.G., J. Ding, E.H. Feutrill, R. Street, Mechanically alloyed hard magnetic materials **157/8**: 7
McCormick, P.G., see J. Ding **161**: 303
McCormick, P.G., see J. Ding **162**: 271
McCormick, P.G., see D.C. Crew **163**: 299
McElfresh, M., see T.M. Pekarek **169**: 261
McEwen, K.A., see J. Rodriguez Fernandez **161**: 220
McGrath, O.F.K., see D. Givord **157/8**: 245
McGuiness, P.J., see M. Leonowicz **166**: 165
McLean, R.S., see P.F. Carcia **164**: 411
McMorrow, D.F., see J.P. Goff **156**: 263
McVitie, S., see M.S. Valera **157/8**: 555
Meersschaut, J., see B. Swinnen **156**: 71
Meersschaut, J., see S. Demuynck **165**: 462
Mégy, A., see C. Train **156**: 87
Mégy, R., see P. Beauvillain **154**: 160
Mégy, R., see N. Bardou **156**: 139
Megy, R., see A. Bounouh **156**: 233
Mégy, R., see C. Train **165**: 417
Mégy, R., see A. Bounouh **165**: 484
Mehta, R.V., see R.P. Pant **164**: 143
Mei, L.M., see H. Li **163**: 125
Mei, L.-m., see S.-s. Yan **168**: 55
Meier, J.P., see W. Schwarzacher **165**: 23
Meigs, G., see V. Chakarian **156**: 265
Meinel, K., see C.M. Schneider **162**: 7
Mekhiche, M., Th. Waeckerlé, B. Cornut, A metallurgical and magnetic study of {100} textured soft magnetic sheets **160**: 125
Mekhiche, M., see F. Ossart **160**: 71
Mekhonoshin, V.V., see A.F. Pshenichnikov **161**: 94
Melero, J.J., R. Burriel, Calorimetric study of the crystal-field and exchange interactions in $NdNi_2$, $TbNi_2$, and $DyNi_2$ **157/8**: 651
Melidis, K.G., see K.G. Efthimiadis **162**: 259

Melikhov, E.Yu., see A.L. Sukstanskii **164**: 105
Mélin, R., Magnetic field relaxation in ferromagnetic Ising systems **162**: 211
Melinon, P., see V. Dupuis **165**: 42
Melloch, M.R., see T.M. Pekarek **169**: 261
Mellor, P.H., see B. Baholo **157/8**: 444
Melnikov, A.V., see O.A. Aktsipetrov **165**: 421
Melquiond, F., A. Mouroux, J. Jouglar, P.L. Vuillermoz, H. Weinstock, History dependence of magnetomechanical properties of steel **157/8**: 571
Memering, M., see K. Asano **155**: 107
Memmel, N., see Th. Detzel **152**: 287
Menard, D., see P. Ciureanu **157/8**: 432
Menard, D., see P. Rudkowski **160**: 313
Mendes, P.J., see J. Ayres de Campos **164**: 305
Menelle, A., see S.P. Pogossian **152**: 305
Meng, Q., W.P. van Drent, J.C. Lodder, Th.J.A. Popma, Curie temperature dependence of magnetic properties of CoNi/Pt multilayer films **156**: 296
Meng, Q., see R. Atkinson **162**: 131
Meng, X.M., see B.W. Wang **162**: 343
Menovsky, A.A., see M. Mihalik **157/8**: 637
Meny, C., see S. Zoll **156**: 231
Mény, C., see N. Persat **156**: 335
Mény, C., see N. Persat **164**: 37
Merah, S., D. Ravot, A. Percheron-Guegan, A. Mauger, O. Gorochov, Study of the magnetic properties of the $La_{1-x}Gd_xTe$ solid solution **161**: 239
Mercier, D., J.-C.S. Lévy, Roughness effects on spin waves **163**: 207
Mercier, D., see M. Jackson **170**: 22
Mertig, I., P. Zahn, M. Richter, H. Eschrig, R. Zeller, P.H. Dederichs, Ab initio calculation of residual resistivity in dilute Fe alloys and giant magnetoresistance in Fe/Cr multilayers **151**: 363
Mertig, I., see K. Takanashi **156**: 237
Mertig, I., see J. Binder **165**: 100
Mes, J., see P.T. Por **155**: 86
Mesa, J.L., see J.M. Rojo **157/8**: 493
Mestnik Filho, J., see A.W. Carbonari **163**: 313
Metcalf, P., see A. Kozłowski **157/8**: 415
Metoki, N., see H. Nakamura **163**: L1
Mevel, B., see A. Vedyayev **164**: 91
Meydan, T., see J. Sievert **160**: 115
Meydan, T., see P.I. Nicholson **160**: 162
Meydan, T., see H. Oduncu **160**: 233
Meyer, C., see D. Givord **157/8**: 245
Meyer, C., see S. Jaren **165**: 172
Meyer, C., see J. Rothman **165**: 202
Meyer, P., see J. Mattsson **152**: 129
Meyer, P., see J. Ferré **165**: 92
Meyer, V., see G. Suran **157/8**: 223
Mezulis, A., see E. Blums **169**: 220
Mian, G., R.S. Indeck, M.W. Muller, Micromagnetic transverse correlation length in thin film magnetic recording media, medium noise, and tracking **152**: 253
Miano, G., C. Serpico, C. Visone, A new model of static scalar hysteresis **160**: 89
Mibu, K., T. Nagahama, T. Shinjo, Magnetoresistance studies of multilayers including hard magnetic CoSm layers **156**: 299
Mibu, K., T. Nagahama, T. Shinjo, Reversible magnetization process and magnetoresistance of soft-magnetic (NiFe)/hard-magnetic (CoSm) bilayers **163**: 75
Mibu, K., see N. Hosoito **156**: 325
Mibu, K., see M. Trhlík **165**: 408
Michel, A., V. Pierron-Bohnes, S. Lefebvre, M. Bessière, H. Fischer, Stabilization of the fcc Co structure in Co/Mn multilayers with very thin Mn layers **156**: 23
Michel, A., G.Z. Pan, V. Pierron-Bohnes, P. Vennéguès, M.C. Cadeville, High resolution transmission electron microscopy studies of Co/Ru bilayers **156**: 25
Michel, A., see W. Schwarzacher **165**: 23
Michel, A., see V. Pierron-Bohnes **165**: 176
Michelakis, C., G. Litsardakis, D. Samaras, A contribution to 2D vector Preisach modelling **157/8**: 347
Michels, G., see C.L. Yang **151**: L19
Michor, H., see N.V. Baranov **157/8**: 401
Michor, H., see W. Perthold **157/8**: 649
Micklitz, H., see C.L. Yang **151**: L19
Middleton, B.K., J.J. Miles, S.R. Cumpson, Models of metal evaporated tape **155**: 266
Middleton, B.K., see S.R. Cumpson **154**: 382
Middleton, B., see S. Casey **155**: 348
Middleton, B.K., see M.K. Loze **159**: 249
Middleton, D.P., K.H.J. Buschow, Note on the formation and magnetic properties of $TbFe_{12-x}Ga_x$ ($x = 6.7$) **157/8**: 385
Middleton, D.P., see S.R. Mishra **162**: 167
Miglierini, M., see A. Košturiak **153**: 184
Mignot, J.M., see A. Vernière **153**: 55
Mihalca, I., A. Ercuta, I. Zaharie, A. Jianu, V. Kuncser, G. Filoti, Annealing effects in amorphous $Fe_{77}Gd_3B_{20}$ ribbons **157/8**: 161
Mihalik, M., M. Timko, P. Samuely, N. Tomašovičova-Hudákova, P. Szabó, A.A. Menovsky, Magnetic properties and gap formation in FeSi **157/8**: 637
Mikhov, M., see V. Blaskov **162**: 331
Mikhov, M., see J. Geshev **170**: 219
Miktus, A., J. Wenda, K. Kułakowski, Computer simulations of the temperature dependence of the uniaxial magnetic anisotropy induced in amorphous FeBSi thin films during rf sputtering **160**: 341
Miles, J.J., see S.R. Cumpson **154**: 382
Miles, J.J., see N.S. Walmsley **155**: 28
Miles, J.J., see B.K. Middleton **155**: 266
Miles, J., see S. Casey **155**: 348

Miliyaev, M.A., see V.V. Ustinov **156**: 337
Mill, B.V., see R. Szymczak **157/8**: 667
Millange, F., see A. Maignan **168**:L237
Millev, Y.T., M. Fähnle, M.A.B. Whitaker, On the maximum of the field-dependent susceptibility in ferromagnetic materials **152**: 293
Millev, Y., M. Fähnle, Anomalous behaviour of the second constant of magnetic single-ion anisotropy as a function of magnetization and temperature **163**:L264
Millot, F., see A. Anane **165**: 377
Miltat, J., see M. Labrune **151**: 231
Milyaev, M.A., see V.V. Ustinov **156**: 227
Min, K.-I., S.-K. Joo, K.-H. Shin, Giant magnetoresistance of Co/Cu, NiFeCo/Cu, and NiFe/Cu multilayers sputter-deposited on Cu/Si(111) substrates **156**: 375
Minakov, A.A., see Yu.V. Bugoslavsky **157/8**: 671
Minin, V.I., see V.V. Ustinov **156**: 179
Minin, V.I., see V.V. Ustinov **156**: 227
Minot, O., see J.-L. Mattei **160**: 23
Minvielle, T.J., R.L. White, R.J. Wilson, In-situ scanning tunneling microscopy observation of surfaces exhibiting ferromagnetic dipolar coupling **168**: 243
Mira, J., J. Rivas, D. Fiorani, R. Caciuffo, D. Rinaldi, C. Vázquez Vázquez, J. Mahía, M.A. López Quintela, S.B. Oseroff, Size and structural effects on the magnetic behaviour of Gd_2CuO_4 particles **164**: 241
Mira, J., see S. Castro **152**: 61
Miramond, C., C. Fermon, F. Rousseaux, D. Decanini, F. Carcenac, Permalloy cylindrical submicron size dot arrays **165**: 500
Miranda, H., J.L. Muñoz, D.-X. Chen, Ac susceptibility and domain-wall dynamics in iron-based amorphous ribbons **162**: 60
Miranda, R., see W. Kuch **170**: L13
Mirbt, S., see A.M.N. Niklasson **156**: 128
Mirebeau, I., G. Gavoille, G. Iancu, F. Bourée, M. Hennion, J. Hubsch, Neutron study of the spinel compounds $Fe_{2-2t}Mg_{1+t}Ti_tO_4$ across the percolation threshold of the dominant interaction **169**: 279
Mirebeau, I., see I.V. Golosovsky **169**: 123
Mirković, J., see V.N. Nikiforov **163**: 184
Misawa, S., A. Tate, Fermi liquid description of the anomalous magnetic susceptibility of FeSi **157/8**: 617
Mishima, Y., see Y. Yoshitomi **160**: 123
Mishra, S.R., G.J. Long, O.A. Pringle, G.K. Marasinghe, D.P. Middleton, K.H.J. Buschow, F. Grandjean, A magnetic and Mössbauer spectral study of the $Tb_2Fe_{17-x}Al_x$ solid solutions **162**: 167
Missana, T., C.N. Afonso, A.K. Petford-Long, R.C. Doole, The role of structure in the interfacial reactions of Bi and Sb **156**: 281
Missell, F.P., see D.R. Cornejo **157/8**: 529
Missell, F.P., see M.M. Watanabe **159**: 282
Misuryaev, T.V., see O.A. Aktsipetrov **165**: 421
Mitani, S., K. Takanashi, H. Nakajima, K. Sato, R. Schreiber, P. Grünberg, H. Fujimori, Structural and magnetic properties of Fe/noble metal monatomic multilayers equivalent to $L1_0$ ordered alloys **156**: 7
Mitani, S., H. Fujimori, S. Ohnuma, Spin-dependent tunneling phenomena in insulating granular systems **165**: 141
Mitani, S., see Y. Hayakawa **154**: 175
Mitani, S., see H. Fujimori **156**: 311
Miteva, S., see T. Nurgaliev **157/8**: 477
Mitra, A., L.B. Sipahi, M.R. Govindaraju, D.C. Jiles, V.R.V. Ramanan, Effects of tensile stress on magnetic Barkhausen emissions in amorphous Fe–Si–B alloy **153**: 231
Mitra, A., D.C. Jiles, Magnetic Barkhausen emissions in as-quenched Fe–Si–B amorphous alloy **168**: 169
Mitra, A., see S. Palit **166**: 186
Miyako, Y., see S. Kawarazaki **153**: 202
Miyanishi, S., see W. Van Roy **165**: 149
Miyazaki, T., N. Tezuka, Spin polarized tunneling in ferromagnet/insulator/ferromagnet junctions **151**: 403
Miyazaki, T., see M. Shindo **161**: L1
Miyazaki, T., see H. Koizumi **164**: 293
Miyazaki, T., see S. Kumagai **166**: 71
Miyazaki, T., see Y. Ando **166**: 75
Miyazaki, T., see H. Kubota **167**: 12
Miyoshi, Y., see T. Idogaki **154**: 221
Mizubayashi, H., see T. Yamaguchi **156**: 279
Mizutani, F., see A. Bhattacharjee **153**: 235
Mizutani, W., see H. Takeshita **165**: 38
Moch, P., see P. Djemia **165**: 428
Mogilyanski, D., see E. Rozenberg **165**: 342
Mohan, Ch.V., H. Kronmüller, Magnetic phase transition in amorphous $Fe_{73.5}Cu_1Nb_3Si_{13.5}B_9$ alloy **163**: 96
Mohan, Ch.V., see A.A. Coelho **163**: 87
Mohanty, R.C., see H.-S. Li **162**: 301
Mohanty, R.C., see H.-S. Li **166**: 365
Mohn, P., K. Schwarz, Quasi two-dimensional magnetism in MnGaGe **157/8**: 721
Mohn, P., see R. Spolenak **157/8**: 715
Mohri, K., see L.V. Panina **157/8**: 137
Mokrani, A., see A. Noguera **156**: 21
Mokrani, A., see O. Elmouhssine **156**: 199
Mokrani, A., see J. Dorantes-Dávila **165**: 268
Moldovanu, A., E.-D. Diaconu, C. Ioan, E. Moldovanu, Magnetometric sensors with improved functional parameters **157/8**: 442
Moldovanu, A., see E. Moldovanu **154**: 101
Moldovanu, A., see B.-O. Moldovanu **157/8**: 565
Moldovanu, A., see C. Ioan **157/8**: 567

Moldovanu, B.-O., C. Moldovanu, A. Moldovanu, Computer simulation of the transient behaviour of a fluxgate magnetometric circuit **157/8**: 565
Moldovanu, C., see B.-O. Moldovanu **157/8**: 565
Moldovanu, E., H. Chiriac, A. Moldovanu, E.D. Diaconu, C. Ioan, Gh. Pop, Comparative study of open-core fluxgate magnetometric sensors made of Vacoperm 100 and C_1 and C_2 magnetic amorphous materials **154**: 101
Moldovanu, E., see A. Moldovanu **157/8**: 442
Moldovanu, E., see C. Ioan **157/8**: 567
Momata, K., see M. Kitada **161**: 397
Monciardini, M., see F. Albertini **157/8**: 655
Monier, C., see M. Maret **166**: 45
Monin, J., see F. Donatini **162**: 69
Monsma, D., see K. Tsutsumi **156**: 327
Montenegro, F.C., see E.P. Raposo **154**: L155
Moon, C.Y., see K.C. Cho **155**: 284
Moons, R., see S. Demuynck **165**: 462
Mora, M., see C. Morón **157/8**: 345
Moraitis, G., M.A. Khan, H. Dreyssé, C. Demangeat, Spin-flop transition in Fe_nCr_m superlattices **156**: 250
Morales, M.P., K. O'Grady, Effects of dispersion on interaction and orientation in barium ferrite tapes **155**: 95
Morales, M.P., K. O'Grady, S. Betteridge, D.P.E. Dickson, Determination of out-of-plane orientation in barium ferrite media using Mössbauer spectroscopy **155**: 129
Morales, R., see J.M. Alameda **154**: 249
Morawe, C., see T. Thomson **156**: 89
Morchenko, A.T., see V.G. Kostishyn **160**: 365
Moreira, L.F., see P.H. Domingues **167**: 87
Morel, R., see J.L. Duvail **151**: 324
Morel, R., see V. Dupuis **165**: 42
Morel, R., see F. Fettar **165**: 316
Morellon, L., P.A. Algarabel, M.R. Ibarra, A. del Moral, D. Gignoux, D. Schmitt, Anisotropy in the paramagnetic phase of $RENi_5$ hexagonal intermetallic compounds (RE = Tb, Ho, Nd) **153**: 17
Morellon, L., see Z. Arnold **157/8**: 81
Morellon, L., see L. Pareti **157/8**: 87
Morellon, L., see J. Kamarád **157/8**: 381
Morin, P., see M.M. Amado **153**: 107
Moriwaki, M., see H. Nakamura **168**: 182
Morón, C., M. Mora, Temperature dependence of domain growth kinetics in two dimensions **157/8**: 345
Moroni, R., see M. Salvietti **165**: 230
Moroshkin, A., see L. Sheiko **157/8**: 457
Morosov, A.I., A.S. Sigov, Domain wall contribution to giant magnetoresistance of magnetic multilayer structures with slight roughness **165**: 367
Morozkin, A.V., see Yu.V. Kochetkov **157/8**: 665
Morozova, T., see I. Edelman **161**: 299
Morrish, A.H., see Z.W. Li **163**: 193
Mørup, S., see M.S. Pedersen **164**: 327
Mosca, D.H., N. Mattoso, E.M. Kakuno, W.H. Schreiner, I. Mazzaro, S.R. Teixeira, Influence of Fe and Cu seed layers on the magnetoresistance in Fe/Cu superlattices grown on Si(111) and CaF_2(111)/Si(111) **156**: 391
Moses, A.J., see J. Sievert **160**: 115
Moses, A.J., see A. Khanlou **160**: 159
Moses, A.J., see P.I. Nicholson **160**: 162
Moses, A.J., see A. Basak **160**: 210
Moshchalkov, V.V., see R. Schad **156**: 339
Moshchalkov, V.V., see R. Schad **156**: 341
Moshchalkov, V.V., see B.G. Almeida **156**: 399
Moshchalkov, V.V., see B.G. Almeida **157/8**: 730
Moshkin, V.V., V.I. Ozhogin, V.L. Preobrazhensky, N.A. Economov, Magneto-optical visualization of a sound-induced domain structure in hematite **170**: 285
Mouchot, J., see S. Young **162**: 38
Mougin, A., C. Dufour, K. Dumesnil, Ph. Mangin, G. Marchal, Stabilisation of the helical phase in epitaxial $Y/Dy_xTb_{1-x}/Y$ trilayers **165**: 168
Moukarika, A., V. Papaefthymiou, T. Bakas, V. Psycharis, D. Niarchos, X-ray and Mössbauer studies of Sm–Fe–Nb(Zr) (2:17:2) alloys and their nitrides **163**: 109
Mouroux, A., see F. Melquiond **157/8**: 571
Moussaoui, D., see S. Spornic **160**: 147
Moyo, T., Pressure and temperature variation of coercive field in Fe-rich Fe–Zr amorphous alloys **154**: 201
Moze, O., E. Brück, F.R. de Boer, K.H.J. Buschow, Crystal structure and the magnetic properties of the compound $ThCo_9Si_2$ **152**: 341
Moze, O., see F. Albertini **157/8**: 655
Much, G., see J.P.C. Bernards **155**: 370
Mucha, J.M., see I. Antonov **151**: 178
Mueller, M.A., see B. Baholo **157/8**: 444
Mühlbauer, H., see G. Dumpich **161**: 37
Mukai, T., see K. Shimokawa **154**: 271
Mukhin, A.A., V.D. Travkin, A.E. Egoyan, S.P. Lebedev, A.S. Prokhorov, A.M. Balbashov, I.Yu. Parsegov, 'Gigantic' increase of AFMR frequencies induced by nonmagnetic impurity ions in orthoferrites $RFe_{1-x}Al_xO_3$ (R = Gd,Tb) **157/8**: 496
Mukhin, A.A., see O. Nikolov **152**: 75
Mukhopadhyay, G., see N. Goveas **159**: 135
Mukhopadhyay, G., see N. Goveas **167**: 269
Mukhopadhyay, P., see N. Goveas **159**: 135
Mulenko, S.A., A.N. Pogorelyi, Deposition of thin magnetic films from organometallic composition under the action of laser radiation **157/8**: 299
Muller, D., see V. Pierron-Bohnes **165**: 176
Muller, M.W., see G. Mian **152**: 253
Müller, H., see R. Spolenak **157/8**: 715
Müller, K.-H., J.B. Dunlop, A. Handstein, B. Gebel, P.A.P. Wendhausen, Permanent

magnet properties of $Sm_3(Fe_{0.93}Ti_{0.07})_{29}X_y$ (X = C or N) **157/8**: 117
Müller, K.-H., see D. Hinz **157/8**: 43
Müller, K.-H., see D. Eckert **157/8**: 93
Müller, K.-H., see L. Cao **157/8**: 95
Müller, K.-H., see N.M. Dempsey **157/8**: 99
Müller, M., N. Mattern, U. Kühn, Correlation between magnetic and structural properties of nanocrystalline soft magnetic alloys **157/8**: 209
Müller, M., H. Grahl, N. Mattern, U. Kühn, B. Schnell, The influence of Co on the structure and magnetic properties of nanocrystalline FeSiB–CuNb and FeZrBCu-based alloys **160**: 284
Müller, R., W. Schüppel, Co spinel ferrite powders prepared by glass crystallization **155**: 110
Müller, R., see P.T. Por **161**: 367
Müller, R., see J. Taubert **168**: 187
Müller, W., see R. Schiller **169**: 39
Mulyukov, Kh.Ya., G.F. Korznikova, S.A. Nikitin, The change in the effective magnetic moment in gadolinium after severe plastic deformation **153**: 241
Muñoz, J.L., see H. Miranda **162**: 60
Muñoz, J.M., see P. Hernández **157/8**: 123
Munoz, J.S., see A. Ślawska-Waniewska **160**: 251
Muñoz, J.S., see V. Blaskov **162**: 331
Muñoz, M.C., see J.L. Pérez-Díaz **156**: 165
Muramatsu, K., see T. Nakata **160**: 177
Muramatsu, M., see Y. Teraoka **156**: 413
Murani, A.P., see A. Guzik **161**: 103
Muraoka, H., see Y. Sano **155**: 212
Muraoka, H., see Y. Kurihara **157/8**: 262
Murariu, V., see V. Badescu **163**: 225
Murashige, S., see A. Saito **160**: 57
Murashige, S., see A. Saito **160**: 59
Murashov, V.A., see I. Sosnowska **160**: 384
Murillo, N., see P. Quintana **160**: 245
Murzina, T.V., see O.A. Aktsipetrov **165**: 421
Mushnikov, N.V., N.K. Zajkov, A.V. Korolyov, On the nature of magnetization jumps in $Dy(Fe,M)_2$ (M = Al, Si) **163**: 322
Mushnikov, N.V., N.K. Zajkov, V.V. Serikov, N.M. Kleinerman, V.S. Gaviko, A.Ye. Yermakov, Magnetic and Mössbauer study of hydrogen-amorphized $GdFe_2H_x$ ferrimagnet **167**: 93
Mushnikov, N.V., N.K. Zajkov, M.I. Bartashevich, T. Goto, H. Aruga-Katori, M. Yamaguchi, I. Yamamoto, Magnetization process and magnetic structure of the $TmFe_2H_{3.4}$ hydride in ultrahigh magnetic fields up to 100 T **167**: 229
Mushnikov, N.V., see V.S. Gaviko **157/8**: 659
Mycock, G.J., see G.P. Hatch **157/8**: 69
Mydlarz, T., see W. Suski **154**: 207
Mydlarz, T., see E. Talik **157/8**: 405
Mydlarz, T., see A. Szajek **157/8**: 723
Mydlarz, T., see I. Jacyna-Onyszkiewicz **160**: 376
Mydlarz, T., see I. Jacyna-Onyszkiewicz **160**: 379
Mydlarz, T., see J. Krok-Kowalski **166**: 172
Mydlarz, T., see J. Krok-Kowalski **168**: 129
Mydosh, J.A., Disordered magnetism and spin glasses **157/8**: 606
Myrtle, K., see B. Heinrich **156**: 215

Nabialek, A., see A.R. Harutyunyan **162**: 338
Nabialek, A., see I.O. Troyanchuk **168**: 309
Nabiyouni, G., W. Schwarzacher, Dependence of GMR on crystal orientation in electrodeposited Co–Ni–Cu/Cu superlattices **156**: 355
Nabiyouni, G., see I. Bakonyi **156**: 347
Nabiyouni, G., see W. Schwarzacher **165**: 23
Nadolski, S., see E. Jędryka **156**: 38
Nadolski, S., see M. Wójcik **157/8**: 220
Nadolski, S., see E. Jędryka **165**: 292
Nafalski, A., B.G. Hoskins, A. Kundu, T. Doan, The use of neural networks in describing magnetisation phenomena **160**: 84
Nafalski, A., T. Doan, Ö. Göl, Application of a virtual instrument concept in magnetic measurements **160**: 154
Nagacevschi, V., see H. Chiriac **160**: 239
Nagaev, E.L., A.I. Podel'shchikov, Size-dependent indirect exchange **159**: 227
Nagahama, T., see K. Mibu **156**: 299
Nagahama, T., see K. Mibu **163**: 75
Nagai, N., see K. Okamoto **155**: 60
Nagai, T., see T. Nakata **160**: 119
Nagamine, L.C.C.M., H.R. Rechenberg, P.A. Algarabel, M.R. Ibarra, Competing anisotropies in $(Dy_xEr_{1-x})Fe_{11}Ti$ alloys **157/8**: 111
Nagamine, L.C.C.M., H.R. Rechenberg, Spin reorientation transition in $DyFe_{10}Si_2$ **162**: 103
Nagaoka, S., see H. Fukunaga **157/8**: 105
Nagarajan, V., see Sk.M. Yusuf **166**: 349
Nagasima, T., K. Saikawa, H. Yamada, Itinerant-electron ferrimagnetism of transition-metal compounds **164**: 115
Naili, M., see G. Suran **157/8**: 223
Nakagawa, K., see K. Umeda **156**: 75
Nakagawa, S., S. Tanaka, M. Naoe, Relationship between Ta content and soft magnetism of Co–Zr–Ta films for backlayers in perpendicular magnetic recording media **155**: 231
Nakagawa, S., see S.-C. Yu **155**: 225
Nakahara, Y., see K. Tanaka **168**: 203
Nakai, I., see I. Ouchi **155**: 222
Nakai, J., A. Kikuchi, K. Nakatani, M. Hirasaka, T. Shimatsu, M. Takahashi, Microstructure and intergranular coupling in CoCrTa thin-film media fabricated using an ultraclean sputtering process **155**: 234
Nakai, J., see A. Kikuchi **155**: 238
Nakajima, H., Y. Ohashi, K. Shiiki, Effect of N atom and lattice constant on electronic

structures and magnetic properties of $Fe_{16}N_2$ calculated by band structure calculation based on local-density approximation **167**: 259
Nakajima, H., see K. Umino **153**: 323
Nakajima, H., see S. Mitani **156**: 7
Nakamura, H., H. Takahashi, M. Shiga, E. Gratz, Nuclear magnetic relaxation in $NdCu_2$ **157/8**: 657
Nakamura, H., M. Shiga, N. Metoki, Effect of Tb substitution on the helical modulation vector of YMn_2 **163**: L1
Nakamura, H., M. Moriwaki, M. Shiga, K. Inoue, Y. Nakamura, A.V. Tsvyashchenko, L. Fomicheva, ^{55}Mn NMR study of high-pressure synthesized $YbMn_2$ **168**: 182
Nakamura, H., see M. Forsthuber **157/8**: 681
Nakamura, K., see M. Enokizono **160**: 61
Nakamura, T., Low-temperature sintering of Ni–Zn–Cu ferrite and its permeability spectra **168**: 285
Nakamura, Y., see Z. Wang **155**: 161
Nakamura, Y., see Z. Wang **155**: 187
Nakamura, Y., see Y. Sano **155**: 212
Nakamura, Y., see I. Tagawa **155**: 341
Nakamura, Y., see Y. Kurihara **157/8**: 262
Nakamura, Y., see Z. Wang **159**: 233
Nakamura, Y., see H. Nakamura **168**: 182
Nakano, M., see K. Matsubara **160**: 41
Nakano, M., see T. Nakata **160**: 177
Nakano, M., see K. Matsubara **160**: 185
Nakata, K., see A. Saito **160**: 59
Nakata, T., Y. Ishihara, Y. Kamijyo, T. Nagai, F. Kogiku, Y. Tani, K. Yago, Intercomparison of a single sheet tester for amorphous alloys by round robin measurements in Japan **160**: 119
Nakata, T., M. Nakano, K. Fujiwara, K. Muramatsu, H.L. Zhu, H. Yano, Effects of geomagnetism and residual magnetism on single sheet testers for amorphous magnetic material **160**: 177
Nakata, T., see K. Matsubara **160**: 41
Nakata, T., see K. Matsubara **160**: 185
Nakatani, K., see J. Nakai **155**: 234
Nakatani, R., K. Hoshino, H. Hoshiya, Y. Sugita, Oscillation period of magnetoresistance and texture in Co/Cu–Ni and Ni–Fe/Cu–Ni multilayers **166**: 261
Nakatani, R., K. Hoshino, H. Hoshiya, Y. Sugita, Relationship between saturation field and film texture in Ni–Fe–Co/Cu giant magnetoresistive multilayers **170**: 74
Nakatani, Y., Y. Uesaka, N. Hayashi, H. Fukushima, Computer simulation of thermal fluctuation of fine particle magnetization based on Langevin equation **168**: 347
Nannarone, S., see A.M. Prandini **165**: 216
Naoe, M., N. Matsushita, Deposition of single-layer $CoFe_2O_4$ and multilayer $CoFe_2O_4/\alpha$-Fe_2O_3 with large $4\pi M_s$ and high H_c using vacuum arc evaporation **155**: 216
Naoe, M., see S.-C. Yu **155**: 225
Naoe, M., see S. Nakagawa **155**: 231
Narayanasamy, A., see M. Manivel Raja **159**: 345
Narita, K., see J. Zbroszczyk **160**: 281
Närmann, A., see J. Manske **168**: 249
Narozhnyi, V.N., T.G. Uvarova, Investigation of $Gd_{1-x}Pr_xBa_2Cu_3O_{7-y}$ single crystals. Transition from magnetic superconductor to magnetic insulator **157/8**: 675
Narui, Y., see S. Ohta **170**: 168
Nashi, H., see H. Shoji **162**: 202
Nasri, R., A. Siblini, L. Jorat, G. Noyel, Magneto dielectric behavior of the magnetic fluid manganese ferrite in carbon tetrachloride **161**: 309
Nasu, S., see Y. Kobayashi **156**: 45
Nasunjilegal, B., see J.L. Wang **159**: 357
Nava, N., see M.E. Mata-Zamora **161**: L6
Nawate, M., M. Itogawa, S. Honda, Pseudo-granular giant magnetoresistance in NiFe/Ag multilayers **156**: 383
Nawate, M., see S. Honda **165**: 153
Nawate, M., see I. Sakamoto **165**: 208
Nawate, M., see S. Honda **165**: 326
Nazir, Z.H., C.-K. Lo, M. Hardiman, Magnetization of ultra thin Fe deposits on Si(111) and Si(100) **156**: 435
Neagu, M., see H. Chiriac **157/8**: 229
Neagu, M., see E. Hristoforou **157/8**: 451
Neamtu, J., Magnetic studies of Ni–Fe thin films prepared by dc sputtering **157/8**: 461
Nedkov, I., M. Gyuot, V. Cagan, Magnetoelastic and total anisotropy effects on the domain-wall dynamics in the polycrystalline state **159**: 331
Nedolya, A.V., see V.V. Savin **157/8**: 49
Negishi, H., see Y. Hara **159**: 125
Negishi, H., see Y. Hara **168**: 213
Negri, D., see F. Albertini **157/8**: 655
Negri, D., see T. Hopfinger **164**: L7
Negro, C., see J. Dufour **157/8**: 125
Neiva, A.C., see S.A. Sinan **157/8**: 101
Nejezchleba, M., see H. Štěpánková **157/8**: 393
Németh, S., C. Hargitai, L. Szabó, L. Papp, Field and loss measurements in Epstein frame and sheet testers **160**: 183
Nemova, O.Yu., see I.B. Kekalo **157/8**: 181
Nencib, N., A. Kedous-Lebouc, B. Cornut, Experimental analysis of the field distribution in a large RSST **160**: 171
Nencib, N., A. Kedous-Lebouc, B. Cornut, Performance evaluation of a large rotational single sheet tester **160**: 174
Nencib, N., see A. Kedous-Lebouc **160**: 45
Neogy, D., K.N. Chattopadhyay, P.K. Chakrabarti, H. Sen, B.M. Wanklyn, Magnetic behavior of Ho^{3+} in $HoAl_3(BO_3)_4$ **154**: 127
Neronin, M., see V. Baron **169**: 271

Nesbet, R.K., Atomic mechanism for giant magnetoresistance in layered CrFe **159**: L17
Neu, V., P. Crespo, R. Schäfer, J. Eckert, L. Schultz, High remanence Nd–Fe–B–X (X = Cu, Si, Nb_3Cu, Zr) powders by mechanical alloying **157/8**: 61
Neuber, M., see C.M. Schneider **162**: 7
Neuendorf, H., W. Gunßer, Transition from quasi one dimensional to spin glass behaviour in insulating $Fe_xGa_{1-x}MgBO_4$ **151**: 305
Neumann, M., see G. Chełkowska **157/8**: 719
Neumann, M., see A. Ślebarski **159**: 179
Neumann, S., see W.S. Kim **156**: 191
Neustroev, N.S., see R.M. Grechishkin **157/8**: 305
Neuweiler, A., B. Hofmann, H. Kronmüller, Approach to magnetic saturation in nanocrystalline and amorphous $Fe_{73.5}Cu_1Nb_3Si_{13.5}B_9$ **153**: 28
Neveu, S., see F. Donatini **162**: 69
Neveu, S., see D. Vincent **163**: 216
Neville, A.J., see D.T. Adroja **161**: 157
New, R.M.H., R.F.W. Pease, R.L. White, Lithographically patterned single-domain cobalt islands for high-density magnetic recording **155**: 140
Newnham, S.J., J.P. Jakubovics, A.C. Daykin, Domain structure of thin NdFeB foils **157/8**: 39
Nguyen, A.-M., see S. Cercelaru **160**: 338
Nguyen Van Dau, F., see M. Sussiau **165**: 1
Ni, Z.-C., see Z.-W. Zhang **170**: 184
Niarchos, D., see V. Psycharis **153**: 75
Niarchos, D., see C. Christides **159**: 142
Niarchos, D., see A. Moukarika **163**: 109
Niarchos, D., see M. Angelakeris **165**: 334
Nicholson, D.M.C., see W.H. Butler **151**: 354
Nicholson, P.I., M.H. So, T. Meydan, A.J. Moses, Non-destructive surface inspection system for steel and other ferromagnetic materials using magneto-resistive sensors **160**: 162
Nicoara, G., see M. Seqqat **157/8**: 489
Nie, X., see Y. Zhou **167**: 136
Niedoba, H., see G. Suran **157/8**: 223
Nietz, V.V., 'Supercritical' point on the phase diagram of hematite in an external magnetic field **153**: 127
Nietz, V.V., see D. Georgiev **154**: 119
Nigam, A.K., see N. Sharma **154**: 296
Nigam, A.K., see N. Sharma **166**: 65
Nikiforov, V.N., Yu.A. Koksharov, J. Mirković, Yu.V. Kochetkov, New dense Kondo systems $Ce_3Pd_{20}Ge(Si)_6$ and related compounds $Sm(Yb)_3Pd_{20}Ge(Si)_6$ **163**: 184
Nikiforov, V.N., see Yu.V. Kochetkov **157/8**: 665
Nikitenko, V.I., see V.S. Gornakov **153**: 320
Nikitin, S.A., T.I. Ivanova, I.G. Makhro, Yu.A. Tskhadadze, Itinerant magnetism of $Gd_xLa_{1-x}MSi$ (M = Fe, Co) compounds **157/8**: 387
Nikitin, S.A., see Kh.Ya. Mulyukov **153**: 241
Nikitov, S.A., Acoustic wave pulse generation under the nonlinear magnetoelastic interaction of two spin wave pulses **164**: 172
Nikitov, S.A., see I.E. Dikshtein **153**: 151
Niklasson, A.M.N., S. Mirbt, H.L. Skriver, B. Johansson, Magnetic fingerprints of quantum well states in bcc (001) $Fe/Cu_N/Fe$ trilayers **156**: 128
Nikles, D.E., see J.L. Cain **155**: 67
Nikles, J.A., see J.L. Cain **155**: 67
Nikolov, O., I. Hall, S.N. Barilo, A.A. Mukhin, Field-induced spin reorientations in $TbFeO_3$ at 4.2 K **152**: 75
Nimori, S., see G. Kido **157/8**: 550
Ninomiya, M., see H. Haiji **160**: 109
Nishimizu, A., see M. Enokizono **160**: 43
Nishinaga, T., see M. Tanaka **156**: 276
Nishio, H., see J. Ding **164**: 385
Nitsch, K., see M. Kučera **157/8**: 323
Nitsch, K., see K. Wagner **161**: 57
Nittono, O., see T. Sugiyama **156**: 143
Nittono, O., see A. Sugawara **156**: 151
Niziol, S., see J. Tobola **157/8**: 708
Noguera, A., S. Bouarab, A. Mokrani, C. Demangeat, H. Dreyssé, Very thin Mn films on fcc Co(001) **156**: 21
Nogues, M., see M. Seqqat **157/8**: 225
Noguès, M., see M. Seqqat **157/8**: 489
Noguès, M., see G.T. Bhandage **166**: 141
Noh, T.-H., see S.-C. Yu **157/8**: 237
Nolte, D.D., see T.M. Pekarek **169**: 261
Nolting, W., see R. Schiller **169**: 39
Nolting, W., see T. Herrmann **170**: 253
Nonas, B., K. Wildberger, R. Zeller, P.H. Dederichs, Ab-initio calculations for 3d impurities on Fe(001) and Ni(001) **165**: 137
Nordblad, P., see K. Eftimova **166**: 179
Nordblad, P., see T. Jonsson **168**: 269
Nordström, L., see P. Lang **156**: 229
Nordström, L., see K. Wildberger **165**: 454
Norwig, J., see C. Heid **151**: 123
Novák, L., É. Kisdi-Koszó, M. Konc, M. Zatroch, Clusterization in FeNiZr and FeCuBZr amorphous alloy **160**: 261
Novák, P., see K. Wagner **161**: 57
Nowicki, P., see A. Ślawska-Waniewska **157/8**: 147
Nowicki, P., see A. Ślawska-Waniewska **160**: 251
Noyel, G., see R. Nasri **161**: 309
Noyel, G., see D. Vincent **163**: 216
Nozières, J.-P., see O. Fruchart **165**: 508
Nurgaliev, T., NMR effect on domain wall resonance susceptibility in ferromagnetic materials **157/8**: 359
Nurgaliev, T., S. Miteva, Theoretical investigation of spin and acoustic wave resonances in a layered structure **157/8**: 477
Nussbaum, C., T. Booth, A. Ilo, H. Pfützner, A neural network for the prediction of performance parameters of transformer cores **160**: 81

Nývlt, M., J. Ferré, J.P. Jamet, P. Houdy, P. Boher, Š. Višňovský, R. Urban, R. Lopušník, Magneto-optical effects in a stack of magnetic multilayer-dielectric films **156**: 175
Nývlt, M., see J.A.C. Bland **156**: 177
Nyvlt, M., see J. Ferré **165**: 92
Nývlt, M.N., see C. Train **165**: 417

O'Donnell, K., M. Aindow, I.R. Harris, R. Skomski, J.M.D. Coey, Structural imaging of mechanically alloyed remanence-enhanced $Sm_2Fe_{17}N_3/\alpha$-Fe **157/8**: 79
O'Grady, K., S.J. Greaves, S.M. Thompson, Exchange anisotropy effects in NiFe layers and NiFe/Cr multilayers **156**: 253
O'Grady, K., see A.H. Thomas **151**: 54
O'Grady, K., see M.P. Morales **155**: 95
O'Grady, K., see S.J. Greaves **155**: 120
O'Grady, K., see M.P. Morales **155**: 129
O'Grady, K., see P. Dova **155**: 176
O'Grady, K., see G.N. Phillips **155**: 364
O'Grady, K., see J.S. Earl **155**: 367
O'Grady, K., see R.W. Chantrell **157/8**: 250
O'Grady, K., see P.T. Por **162**: 139
O'Neill, M., see P. Papakonstantinou **152**: 401
O'Neill, M., see R. Atkinson **155**: 361
O'Shea, M.J., P. Perera, Influence of nanostructure on magnetic properties of strong anisotropy systems **156**: 141
O'Shea, M.J., see P. Perera **162**: 183
Obermyer, R.T., see M.Q. Huang **151**: 150
Obernosterer, F., W.F. Oehme, Pulse noise in thin film disk recording systems **155**: 338
Obradors, X., see A. Seffar **157/8**: 260
Ochiai, H., see H. Fukunaga **157/8**: 63
Odenbach, S., H. Gilly, Taylor vortex flow of magnetic fluids under the influence of an azimuthal magnetic field **152**: 123
Odenbach, S., On the stability of a free surface of a magnetic fluid under microgravity **170**: 309
Oduncu, H., T. Meydan, A novel method of monitoring biomechanical movements using the magnetoelastic effect **160**: 233
Oehme, W.F., see F. Obernosterer **155**: 338
Oepen, H.P., see W. Wulfhekel **163**: 267
Oepen, H.P., see R. Jansen **165**: 258
Oepts, W., M.A.M. Gijs, A. Reinders, R.M. Jungblut, J.M. Kerkhof, A.M.A. van Zon, W.J.M. de Jonge, Perpendicular giant magnetoresistance of Co/Cu multilayers on V-grooved substrates: dependence on deposition method **165**: 356
Oepts, W., see M.A.M. Gijs **165**: 17
Oesterholt, R., see J. De Boeck **156**: 148
Oesterreicher, H., see D. Ko **157/8**: 661
Ogrin, F.Y., P.W. Haycock, FMR studies of cobalt thin films deposited by MOCVD **155**: 199
Ogrin, F.Yu., see Yu.V. Gulyaev **157/8**: 482
Ogrin, Yu.F., see Yu.V. Gulyaev **157/8**: 482
Oguchi, T., see T. Asada **157/8**: 343
Oguri, A., H. Ishii, Correlation effects in the transport through a few quantum levels **156**: 389
Ohashi, M., see S. Matsuo **161**: 255
Ohashi, M., see H. Onodera **170**: 201
Ohashi, Y., see M. Kobayashi **166**: 329
Ohashi, Y., see H. Nakajima **167**: 259
Ohba, K., see T. Bitoh **154**: 59
Ohnuma, S., see H. Fujimori **156**: 311
Ohnuma, S., see S. Mitani **165**: 141
Ohta, E., see T. Ando **163**: 277
Ohta, S., T. Kaneko, H. Yoshida, Anisotropic thermal expansion and effect of pressure on magnetic transition temperatures in chromium chalcogenides Cr_3X_4 with X = Se and Te **163**: 117
Ohta, S., Y. Adachi, Covalency effects of Te substitution on the antiferromagnetic stability of $Cr_3Se_{4-y}Te_y$ **164**: 225
Ohta, S., Y. Narui, Y. Sakayori, Effect of Te-substitution on magnetic properties of $Cr_2Se_{3-y}Te_y$ ($0 \leq y \leq 0.15$) **170**: 168
Oikawa, S., T. Kanno, S. Iwata, S. Tsunashima, Structure and magnetic anisotropy in MBE-grown Au/Co/Au sandwich films on MgO substrate **156**: 73
Oikawa, S., Y. Kato, S. Iwata, S. Tsunashima, Enhanced in-plane magnetic anisotropies of ultrathin Pt/Co/Pt films **165**: 394
Oka, M., see M. Enokizono **160**: 43
Okada, A., see K. Uchiyama **156**: 427
Okada, A., see K. Uchiyama **156**: 429
Okada, K., see H. Haiji **160**: 109
Okada, T., see S. Honda **165**: 153
Okada, T., see S. Honda **165**: 326
Okamoto, I., see A. Kikuchi **155**: 238
Okamoto, K., Y. Okazaki, N. Nagai, S. Uedaira, Advanced metal particles technologies for magnetic tapes **155**: 60
Okamoto, K., see K. Hara **161**: 287
Okamoto, K., see K. Hara **162**: 177
Okamoto, Y., see Y. Kurihara **157/8**: 262
Okazaki, Y., Loss deterioration in amorphous cores for distribution transformers **160**: 217
Okazaki, Y., see K. Okamoto **155**: 60
Okońska-Kozłowska, I., see J. Krok-Kowalski **166**: 172
Okońska-Kozłowska, I., see J. Krok-Kowalski **168**: 129
Okulov, V.I., E.A. Pamyatnykh, V.V. Ustinov, I.S. Masharova, Ultrasound absorption by electrons in metallic magnetic multilayers and its correlation with giant magnetoresistance **156**: 394
Okuno, S.N., see R.J. Highmore **151**: 95
Okuno, S.N., see K. Inomata **156**: 219
Okuzawa, N., see T. Katayama **156**: 171
Ol'khovik, L.P., N.M. Borisova, A.S. Kamzin, O.G. Fisenko, Radiothermal synthesis of fine barium ferrite powders and their properties **154**: 365

Ol'khovik, L.P., see A.S. Kamzin **161**: 139
Oleksyn, O., see P. Schobinger-Papamantellos **169**: 253
Oleś, A., see A. Bombik **168**: 139
Oleszak, D., see M. Pekala **157/8**: 231
Oliveira, I.S., A.P. Guimarães, A model for domain and domain wall NMR signals in magnetic materials **170**: 277
Oliveira de Jesus, J.C., W.S. Kim, M. Aderholz, W. Kleemann, Annealing effects on the structural and magneto-optical properties of MnBi(Al,Si) alloy films **151**: 259
Oliveira de Jesus, J.C., W. Kleemann, The magnetization reversal in uniaxial model ferromagnets **169**: 159
Olszewski, J., see J. Zbroszczyk ***160***: *141*
Olszewski, J., see J. Zbroszczyk **160**: 277
Olszewski, J., see J. Zbroszczyk **160**: 279
Olszewski, J., see J. Zbroszczyk **160**: 281
Olzon-Dionysio, M., see A.W. Carbonari **163**: 313
Öner, Y., M. Özdemir, B. Aktas, C. Topacli, E.A. Harris, S. Senoussi, The role of Pt impurities on both bulk and surface anisotropies in amorphous NiMn films **170**: 129
Öner, Y., see M. Özdemir **164**: 53
Onnerud, P., see D. Rodic **152**: 159
Ono, T., see T. Shinjo **156**: 11
Ono, T., see N. Hosoito **156**: 325
Onodera, H., H. Kobayashi, H. Yamauchi, M. Ohashi, Y. Yamaguchi, Magnetic properties of the single crystalline Dy_3Ni studied by magnetization measurement and ^{161}Dy Mössbauer spectroscopy **170**: 201
Onodera, H., see S. Matsuo **161**: 255
Oomi, G., Y. Uwatoko, T. Sakai, K. Takanashi, H. Fujimori, Anomalous pressure dependence of giant magnetoresistance in magnetic superlattice **156**: 402
Oomi, G., see R. Hauser **157/8**: 679
Oosawa, Y., see K. Kawaguchi **156**: 235
Oppenheim, I.C., see M.M. Watanabe **159**: 282
Orendáč, M., see A. Orendáčová **157/8**: 583
Orendáčová, A., M. Orendáč, J. Chomič, A. Feher, The role of hydrogen bonds in the magnetic dimensionality of $CuSO_4(H_2O)_2(C_2H_8N_2)$ and $Cu(C_{10}H_8N_2)_2Ag_2(CN)_4 \cdot H_2O$ **157/8**: 583
Ortega, M.D., B. Raquet, K. Postava, C. Armand, R. Mamy, M. Goiran, A.R. Fert, J.C. Ousset, Dependence on growth conditions of surface anisotropy and magnetization reversal in Au/Co (0.8 nm)/Au/MoS_2 **165**: 487
Ortega, M.D., see B. Raquet **156**: 197
Ortega, M.D., see K. Postava **163**: 8
Orth, Th., F. Schreiber, Temperature-dependent conventional and photothermally modulated FMR measurements on CrO_2 particulate tapes **157/8**: 512
Ortiz, W.A., see A.J.A. de Oliveira **152**: 86
Orúe, I., see P. Gorria **157/8**: 203
Osawa, H., see Y. Kurihara **157/8**: 262
Oseroff, S.B., see J. Mira **164**: 241
Oshikiri, M., see G. Kido **157/8**: 550
Ossart, F., M. Mekhiche, T. Waeckerlé, Numerical simulation of an Epstein frame used for anisotropy measurements **160**: 71
Otomo, S., T. Yamashita, N. Kumasaka, A cross-type amorphous video head **159**: 256
Ott, F., C. Fermon, Magnetic depth profiles in strained nickel thin films measured by polarized neutron reflectometry **165**: 475
Otto, J.W., see C.L. Yang **151**: L19
Ouahmane, H., see J.F. Calleja **152**: 17
Ouchi, I., I. Nakai, H. Maeda, XAFS studies of Co–Cr films **155**: 222
Ouchi, K., see N. Honda **155**: 154
Ouchi, K., see J. Ariake **155**: 228
Ouladdiaf, B., see A. Guzik **157/8**: 683
Ould Mahfoud, S., see P. Beauvillain **154**: 160
Ounadjela, K., L. Zhou, R. Stamps, M. Hehn, Z. Zhang, P. Wigen, J. Gregg, Interlayer magnetic coupling in Co/Ru/CoAg and Co/Cu/CoAg trilayer films: effect of Ag impurities on the exchange coupling **156**: 267
Ounadjela, K., see S. Zoll **156**: 231
Ounadjela, K., see L. Piraux **156**: 317
Ounadjela, K., see M. Hehn **165**: 5
Ounadjela, K., see R. Ferré **165**: 9
Ounadjela, K., see W. Allen **165**: 121
Ounadjela, K., see M. Gester **165**: 323
Ounadjela, K., see L. Piraux **165**: 352
Ounadjela, K., see L. Louail **165**: 387
Ounadjela, K., see P. Wigen **165**: 465
Ounadjela, K., see M. Hehn **165**: 520
Ounadjela, K., see L. Louail **167**: L189
Ousset, J.C., see B. Raquet **156**: 197
Ousset, J.C., see K. Postava **163**: 8
Ousset, J.C., see M.D. Ortega **165**: 487
Ousset, J.C., see B. Raquet **165**: 492
Ouvrard, G., see F. Bodénan **164**: 233
Óvári, T.A., see H. Chiriac **157/8**: 227
Óvári, T.A., see H. Chiriac **160**: 237
Özdemir, M., B. Aktaş, Y. Öner, T. Sato, T. Ando, A spin-wave resonance study on reentrant $Ni_{77}Mn_{23}$ thin films **164**: 53
Özdemir, M., see Y. Öner **170**: 129
Ozhogin, V.I., see V.V. Moshkin **170**: 285

Paccard, D., see J. García Soldevilla **157/8**: 624
Pacyna, A., see J. Krok-Kowalski **166**: 172
Pacyna, A.W., see M.L. Paradowski **166**: 231
Pacyna, A.W., see A. Bombik **168**: 139
Paduani, C., E.G. da Silva, Electronic structure of disordered α-FeMn alloys **161**: 184
Pahirathan, S., see R. Atkinson **162**: 131
Pai, S.P., see N. Sharma **154**: 296

Pai, S.P., see N. Sharma **166**: 65
Paik, S.W., W.T. Kim, S.H. Lee, A crystallographic and Mössbauer spectroscopic study of $(Fe, Ni, Al)_{3-x}O_4$ spinel ferrite **169**: 145
Paintner, A., F. Süss, U. Krey, Numerical studies of the magnetism of Fe–Ni–Mn alloys in the Invar region **154**: 107
Paixão, J.A., see A.P. Gonçalves **157/8**: 692
Pajączkowska, A., see R. Jabłoński **167**: 99
Pal, M., P. Brahma, D. Chakravorty, Magnetic and electrical properties of nickel–zinc ferrites doped with bismuth oxide **152**: 370
Pal, M., P. Brahma, D. Chakravorty, D. Bhattacharyya, H.S. Maiti, Nanocrystalline nickel–zinc ferrite prepared by the glass-ceramic route **164**: 256
Palacios, E., see R. Przeniosło **160**: 370
Palczewska, M., see R. Jabłoński **167**: 99
Palit, S., I. Chattoraj, V. Rao, S.K. Ghatak, A. Mitra, Influence of hydrogen on the magnetic properties of amorphous Fe–Si–B fibres **166**: 186
Palmer, S.B., see T.J. Jackson **159**: 269
Palmeri, D., see G. Bottoni **155**: 113
Palmstrøm, C.J., see M. Tanaka **156**: 276
Palumbo, G., see Y. Hayakawa **160**: 143
Pamyatnykh, E.A., see V.I. Okulov **156**: 394
Pan, C.Y., see W.Y. Lai **155**: 358
Pan, F.M., J.W. Feng, G.J. Jin, A. Hu, S.S. Jiang, X-ray diffraction study of W/Ti quasiperiodic superlattices **156**: 49
Pan, F.M., see J.W. Feng **152**: 27
Pan, F.M., see J.W. Feng **156**: 239
Pan, F.M., see J.W. Feng **156**: 241
Pan, G., see B. Tan **155**: 345
Pan, G.Z., see A. Michel **156**: 25
Pan, H., F. Yang, C. Chen, X. Han, N. Tang, J. Hu, J. Wang, R. Zhao, K. Zhou, Q. Wang, Formation and magnetic properties of $R_3(Fe,Mo)_{29}$ intermetallic compounds (R = Nd, Sm and Gd) **159**: 352
Pan, H., F. Yang, C. Chen, X. Han, N. Tang, Q. Wang, Formation, structure and magnetic properties of $Y_3(Fe,Mo)_{29}$ intermetallic compound **161**: 177
Pan, H., F. Yang, C. Chen, N. Tang, X. Han, Q. Wang, Structural and magnetic characterization of the ternary phase $R_3(Fe,Mo)_{29}$ (R = Tb and Dy) **163**: 221
Pan, H., J. Wang, C. Chen, X. Han, N. Tang, Q. Wang, F. Yang, Study of the exchange interactions in $R_3(Fe,M)_{29}$ intermetallic compounds **164**: 197
Pan, H., Y. Chen, C. Chen, N. Tang, F. Yang, Magnetic properties of $R_3(Fe, Mo)_{29}$ (R = Sm and Y) with Ga substituted for Fe **170**: 179
Pan, H., C. Chen, C.S. Wang, X. Han, F. Yang, Magnetic properties of $Sm_3(Fe, Mo)_{29}N_x$ interstitial nitride **170**: 331
Pan, H.Y., see J.L. Wang **159**: 357
Pan, S.M., see Y.J. Tang **152**: 70
Pan, T., G.W.D. Spratt, L. Tang, D.E. Laughlin, Magnetic properties and microstructure of evaporated Co oxide tape media **155**: 309
Panagiotopoulos, I., L. Withanawasam, G.C. Hadjipanayis, 'Exchange spring' behavior in nanocomposite hard magnetic materials **152**: 353
Panfilov, A.S., see G.E. Grechnev **157/8**: 677
Panfilov, A.S., see G.E. Grechnev **157/8**: 702
Panfilov, A.S., see G.E. Grechnev **157/8**: 711
Panina, L.V., K. Mohri, Effect of magnetic structure on giant magneto-impedance in Co-rich amorphous alloys **157/8**: 137
Panissod, P., see S. Zoll **156**: 231
Panissod, P., see N. Persat **156**: 335
Panissod, P., see N. Persat **164**: 37
Panizzieri, R., see S. Díaz **151**: 173
Pankhurst, Q.A., G.R. Thompson, V.K. Sankaranarayanan, D.P.E. Dickson, Effect of ultrafine particle size and crystallinity breakdown on the ordered magnetic state in barium ferrite **155**: 104
Pant, R.P., R.M. Krishna, D.P. Singh, D. Srinivas, R.V. Mehta, Variable temperature electron paramagnetic resonance investigations of a kerosene-based magnetic fluid **164**: 143
Paoluzi, A., see L. Pareti **157/8**: 87
Paoluzi, A., see F. Albertini **157/8**: 655
Papaefthymiou, V., see A. Moukarika **163**: 109
Papaefthymiou, V., see L. Yiping **164**: 357
Papaefthymiou, V., see J.A. Christodoulides **166**: 283
Papakonstantinou, P., M. O'Neill, R. Atkinson, I.W. Salter, R. Gerber, Substrate temperature and oxygen pressure dependence of pulsed laser-deposited Sr ferrite films **152**: 401
Papakonstantinou, P., B. Teggart, R. Atkinson, The effects of substrate temperature and oxygen pressure on pulsed laser deposited Bi-substituted Dy iron garnet films **163**: 378
Papakonstantinou, P., see R. Gerber **157/8**: 295
Papatriantafillou, C., see D. Karaoulanis **161**: 231
Pape, I., T.P.A. Hase, B.K. Tanner, H. Laidler, C. Emmerson, T. Shen, B.J. Hickey, Giant magnetoresistance and interface structure of Cu/Co multilayers grown by MBE on Si (111) substrates with copper-silicide buffers **156**: 373
Pape, I., see H. Laidler **154**: 165
Papp, L., see S. Németh **160**: 183
Paradowski, M.L., A.W. Pacyna, A. Bombik, W. Korczak, S.Z. Korczak, Magnetic susceptibility of $La_xNd_{1-x}F_3$ single crystals **166**: 231
Pardavi-Horvath, M., see R.E. Bornfreund **151**: 181
Parent, F., see V. Dupuis **165**: 42
Pareti, L., A. Paoluzi, F. Albertini, M.R. Ibarra, L. Morellon, P.A. Algarabel, Magnetocrystalline anisotropy in $RE_2(FeTi)_{17}$, RE = Nd, Y **157/8**: 87
Pareti, L., see F. Albertini **157/8**: 655

Pareti, L., see G. Carlotti **165**: 424
Parhofer, S., G. Gieres, J. Wecker, L. Schultz, Growth characteristics and magnetic properties of sputtered Nd–Fe–B thin films **163**: 32
Park, C.M., see I.E. Dikshtein **167**: 34
Park, E.B., see C.J. Yang **166**: 243
Park, E.B., see C.J. Yang **168**: 278
Park, W.S., see D.H. Kim **163**: 373
Parker, D.A., see N.S. Walmsley **155**: 28
Parker, D.A., see P.T. Por **155**: 70
Parker, D.A., see S.R. McConochie **155**: 89
Parker, D.A., see N.S. Walmsley **170**: 81
Parker, F.T., F.E. Spada, T.J. Cox, A.E. Berkowitz, Mössbauer effect study of metal particle tape stability **162**: 122
Parker, M.A., see E. Snoeck **151**: 24
Parker, M.R., see S.A. Hossain **156**: 303
Parker, M.R., see S. Gangopadhyay **161**: 43
Parker, M.R., see S.L. Burkett **168**: L233
Parlebas, J.C., see P. Krüger **156**: 91
Parlebas, J.C., see O. Elmouhssine **156**: 199
Parsegov, I.Yu., see A.A. Mukhin **157/8**: 496
Pasnicu, C., see E. Rezlescu **157/8**: 487
Pasquale, M., see S. Crottier-Combe **160**: 151
Pasquale, M., see B. Viala **160**: 315
Passek, F., M. Donath, K. Ertl, Spin-dependent electron attenuation lengths and influence on spectroscopic data **159**: 103
Passek, F., see B. Gubanka **161**: L11
Pastushenkov, Yu.G., O.B. Dyogteva, A.W. Shipov, K.P. Skokov, Magnetostatic grain interaction and angular dependence of the nucleation field in Fe–Nd–B and $SmCo_5$ permanent magnets **157/8**: 67
Paté, M., see R. Lebourgeois **160**: 329
Patel, M., T. Fujimoto, A. Ercole, C. Daboo, J.A.C. Bland, Neutron reflectivity of single FeNi/Cu/Co trilayer spin valves **156**: 53
Patel, M., see A. Ercole **156**: 121
Patel, M., see T. Fujimoto **156**: 365
Patil, R.S., see S.V. Kakatkar **159**: 361
Patni, M.J., see M.V. Rane **153**: L1
Patrin, G.S., N.V. Volkov, Study of the nonlinear magnetic resonance in $(CH_3NH_3)_2Mn_{0.5}Cu_{0.5}Cl_4$ crystals in the oscillatory approach **151**: 189
Pattalwar, S.M., see S.K. Dhar **152**: 22
Patton, C.E., see M.J. Hurben **163**: 39
Paul, D.M., see J.M. Martin **159**: 223
Paul, W., see W. Kratz **161**: 249
Paulose, P.L., see Sk.M. Yusuf **166**: 349
Pawlicki, P., L. Kolpakova, A. Maryanowska, J.N. Latosińka, J. Pietrzak, A spin model for magnetization in the ilmenite $NiFe_{0.5}V_{0.5}O_{3-\delta}$ **160**: 372
Pawlik, P., see J.J. Wysłocki **162**: 239
Pease, R.F.W., see R.M.H. New **155**: 140
Peccolo, M.A., F. Marthouret, J.P. Masson, H. Fraisse, Frequency limits of a large signal dynamic model of magnetic circuits **160**: 47
Pecharsky, V.K., K.A. Gschneidner, Jr., Effect of alloying on the giant magnetocaloric effect of $Gd_5(Si_2Ge_2)$ **167**: L179
Pedersen, M.S., S. Mørup, S. Linderoth, C. Johansson, M. Hanson, Field-induced magnetic moments in a metastable iron–mercury alloy **164**: 327
Pekala, M., D. Oleszak, Magnetic properties and structure of mechanically synthesized $Fe_{25}Al_{75}$ alloys **157/8**: 231
Pekarek, T.M., B.C. Crooker, D.D. Nolte, J. Deak, M. McElfresh, J.C.P. Chang, E.S. Harmon, M.R. Melloch, J.M. Woodall, Superparamagnetic behavior of Fe_3GaAs precipitates in GaAs **169**: 261
Pelleg, J., see E. Rozenberg **165**: 342
Pelloth, J., see J. Ayres de Campos **164**: 305
Pelzl, J., see F. Schreiber **157/8**: 281
Pelzl, J., see J.L. Bubendorff **165**: 199
Penc, B., see A. Szytuła **153**: 273
Pendl, Jr., W., see A.W. Carbonari **163**: 313
Penfold, J., see J.A.C. Bland **165**: 46
Peng, C., S.K. Lee, S.G. Kim, Replica behavior in direct overwritable exchange-coupled magneto-optical multilayer system **152**: 417
Peng, C., S.K. Lee, S.G. Kim, Interface wall structure of exchange-coupled ferrimagnetic bilayer films for magneto-optical recording **162**: 362
Peng, C., S.K. Lee, S.G. Kim, Modeling magneto-optical domain for mark edge recording **162**: 369
Percheron-Guegan, A., see S. Merah **161**: 239
Pereira, A.R., J.E.R. Costa, Vortex pairs and central peak in the dynamic structure factor in the 2D XY model below T_{KT} **162**: 219
Pereira, L.G., see B. Dieny **151**: 378
Pereira de Azevedo, M.M., see M.S. Rogalski **163**: L257
Perekalina, T.M., see M.K. Gubkin **154**: 351
Perera, P., M.J. O'Shea, H.H. Hamdeh, Magnetic state of thin DyFe amorphous layers **162**: 183
Perera, P., see M.J. O'Shea **156**: 141
Perez, A., see V. Dupuis **165**: 42
Pérez, G.T., see J.M. Alameda **154**: 249
Pérez-Díaz, J.L., M.C. Muñoz, Symmetry dependence of quantum-well states in thin metallic overlayers **156**: 165
Perov, N., see E. Gan'shina **165**: 320
Perov, N., see E. Gan'shina **165**: 346
Perov, N.S., see E.A. Gan'shina **160**: 335
Perrier de la Bâthie, R., see P. Courtois **153**: 224
Perrin, G., O. Acher, J.C. Peuzin, N. Vukadinovic, Sum rules for gyromagnetic permeability of ferromagnetic thin films: theoretical and experimental results **157/8**: 289
Perrin, G., see G. Suran **157/8**: 223
Perrin, G., see O. Acher **157/8**: 480
Perron, J.C., see N. Lecaude **160**: 263

Perron, J.C., see A. Houzali **160**: 291
Perron, J.C., see S. Cercelaru **160**: 338
Persat, N., A. Dinia, J.P. Jay, C. Mény, P. Panissod, Structure and giant magnetoresistance in Co/Cu sandwiches with thin Ag layers at the interfaces **156**: 335
Persat, N., A. Dinia, Structure and magnetic anisotropy in Co(hcp)/Cu sandwiches **156**: 371
Persat, N., A. Dinia, J.P. Jay, C. Mény, P. Panissod, Structural properties and oscillatory magnetoresistance of Co(hcp)/Cu sandwiches **164**: 37
Persat, N., H.A.M. van den Berg, A. Dinia, Domain-phase transformations in antiferromagnetically coupled Co/Cu sandwiches **165**: 446
Persat, N., see V. Pierron-Bohnes **165**: 176
Perthold, W., N.M. Hong, H. Michor, G. Hilscher, H. Ido, H. Asano, Specific heat of RCo_3B_2 (R = Y, Sm, Gd, Dy, Lu) **157/8**: 649
Peteanu, M., see I. Ardelean **157/8**: 239
Petersen, N., see R. Keller **162**: 327
Petford-Long, A.K., see E.M. Ho **156**: 65
Petford-Long, A.K., see A.M. Baker **156**: 83
Petford-Long, A.K., see T. Missana **156**: 281
Petit, C., M.P. Pileni, Nanosize cobalt boride particles: control of the size and properties **166**: 82
Petkov, V., see V. Blaskov **162**: 331
Petrakovskii, G.A., see L. Gładczuk **168**: 316
Petras, A., see C. Christides **159**: 142
Petrenko, O.A., see L.A. Prozorova **157/8**: 733
Petroff, F., see J.L. Duvail **151**: 324
Petroff, F., see J. Vogel **165**: 96
Peuzin, J.C., see E. du Trémolet de Lacheisserie **152**: 231
Peuzin, J.C., see G. Perrin **157/8**: 289
Pflaum, J., see F. Schreiber **157/8**: 281
Pflaum, J., see J.L. Bubendorff **165**: 199
Pfützner, H., see A. Hasenzagl **157/8**: 467
Pfützner, H., see A. Ilo **160**: 38
Pfützner, H., see A. Hasenzagl **160**: 55
Pfützner, H., see C. Nussbaum **160**: 81
Pfützner, H., see A. Hasenzagl **160**: 180
Pfützner, H., see B. Weiser **160**: 207
Phalet, T., J. Camps, P. De Moor, P. Schuurmans, N. Severijns, M. Trhlík, A. Van Geert, L. Vanneste, B. Vereecke, W.D. Brewer, Perpendicular induced magnetic moments of Ag in Ag/Fe multilayers **165**: 234
Philips, D.A., L.R. Dupré, Macroscopic fields in ferromagnetic laminations taking into account hysteresis and eddy current effects **160**: 5
Phillips, G.N., K. O'Grady, R.W. Chantrell, An analysis of magnetic viscosity in MO films – I: experimental **155**: 364
Phillips, N.E., see B. Fåk **154**: 339
Piecuch, M., see A. Barbara **156**: 111
Piecuch, M., see S. Pizzini **157/8**: 313
Piecuch, M., see J.F. Bobo **164**: 61
Piecuch, M., see A. Déchelette-Barbara **165**: 87
Piecuch, M., see S. Andrieu **165**: 185
Piecuch, M., see S. Andrieu **165**: 191
Piecuch, M., see Ph. Bauer **165**: 220
Piecuch, M., see S. Pizzini **166**: 38
Pierce, D.T., see A. Davies **165**: 82
Pierre, J., see A. Guzik **157/8**: 683
Pierre, J., see J. Tobola **159**: 192
Pierre, J., see A. Guzik **161**: 103
Pierre, J., see C. Hordequin **162**: 75
Pierron-Bohnes, V., N. Ringelstein, A. Michel, S. Boukari, L. Bouzidi, N. Persat, E. Beaurepaire, M. Hehn, D. Muller, M.C. Cadeville, Observation of an ordered new compound $Co_{1-x}Ru_x$ prepared by MBE on a Ru buffer layer **165**: 176
Pierron-Bohnes, V., see A. Michel **156**: 23
Pierron-Bohnes, V., see A. Michel **156**: 25
Pietruszka, M., see M. Matlak **153**: 115
Pietruszka, M., see M. Matlak **153**: 347
Pietrzak, J., see P. Pawlicki **160**: 372
Pietrzak, J., see L. Kolpakova **160**: 374
Pilawa, B., see P. Rösch **164**: 175
Pileni, M.P., see C. Petit **166**: 82
Pilipenko, V.V., see V.E. Zubov **160**: 19
Pillai, V., D.O. Shah, Synthesis of high-coercivity cobalt ferrite particles using water-in-oil microemulsions **163**: 243
Pinettes, C., C. Lacroix, Influence of surface anisotropy in ferromagnetic thin films **166**: 59
Pinkvos, H., see E. Bauer **156**: 1
Pinsard, L., see A. Anane **165**: 377
Pinto, R., see N. Sharma **154**: 296
Pinto, R., see N. Sharma **166**: 65
Pinto, R.P., M.M. Amado, M.E. Braga, M.A. Salgueiro, J.B. Sousa, B. Chevalier, D. Laffargue, J. Étourneau, Transport and magneto-transport properties of U_2Ni_2Sn **157/8**: 698
Pinto, R.P., see M.M. Amado **153**: 107
Piñol, S., see A. Seffar **157/8**: 260
Piqué, C., R. Burriel, J. Bartolomé, Spin reorientation phase transitions in $R_2Fe_{14}B$ (R = Y, Nd, Ho, Er, Tm) investigated by heat capacity measurements **154**: 71
Piraux, L., S. Dubois, C. Marchal, J.M. Beuken, L. Filipozzi, J.F. Despres, K. Ounadjela, A. Fert, Perpendicular magnetoresistance in Co/Cu multilayered nanowires **156**: 317
Piraux, L., S. Dubois, A. Fert, Perpendicular giant magnetoresistance in magnetic multilayered nanowires **159**:L287
Piraux, L., S. Dubois, E. Ferain, R. Legras, K. Ounadjela, J.M. George, J.L. Maurice, A. Fert, Anisotropic transport and magnetic properties of arrays of sub-micron wires **165**: 352
Piraux, L., see S. Dubois **165**: 30
Pires, A.S.T., see M.E. Gouvêa **162**: 225
Pirkle, B.H., see S.A. Hossain **156**: 303

Pirri, C., see S. Hong **165**: 212
Pištora, J., D. Ciprian, R. Kantor, K. Postava, J. Sobota, Dark mode spectroscopy of magnetic thin films **157/8**: 283
Pištora, J., see K. Postava **163**: 8
Pizarro, J.L., see A. Goñi **164**: 251
Pizzagalli, L., D. Stoeffler, F. Gautier, Magnetism of Fe atoms deposited on W(001) and W(110): a theoretical study of the role of the interplanar relaxation **154**: 213
Pizzini, S., A. Fontaine, F. Baudelet, J.F. Bobo, M. Piecuch, Spin-polarisation of copper in Co/Cu and Fe/Cu multilayers **157/8**: 313
Pizzini, S., A. Fontaine, L.M. Garcia, J.-F. Bobo, M. Piecuch, F. Baudelet, C. Malgrange, A. Alimoussa, E. Snoeck, M.J. Casanove, X-ray magnetic circular dichroism and element-selective magnetic hysteresis in Fe/Cu/Co/Cu multilayers **166**: 38
Platow, W., see M. Farle **165**: 74
Platow, W., see P. Poulopoulos **170**: 57
Plazaola, F., see P. Gorria **157/8**: 203
Plugaru, N., M. Valeanu, D.P. Lazar, D. Matulescu, J. Wang, N. Tang, F.-M. Yang, Magnetic properties of $Y_3Co_{11-x}Fe_xB_4$ compounds **157/8**: 647
Plugaru, N., D.P. Lazar, A. Galatanu, Magnetic properties of $Gd_3Co_{11-x}Ni_xB_4$ compounds **162**: 50
Plugaru, N., see M. Valeanu **157/8**: 383
Plusa, D., B. Wyslocki, Magnetization reversal processes in sintered Nd–Fe–B–Nb magnets **157/8**: 338
Podel'shchikov, A.I., see E.L. Nagaev **159**: 227
Poganiuch, P., see H. Keller **155**: 101
Pogány, L., C. Hargitai, I. Varga, Arrangement for the investigation of domain behaviour under low-frequency magnetic fields **160**: 189
Pogorelyi, A.N., see S.A. Mulenko **157/8**: 299
Pogorily, A., see E. Shipil' **157/8**: 293
Pogossian, S.P., H.L. Gall, A. Menelle, Polarized neutron waveguide reflectometry: application to magnetic moment determination in thin films **152**: 305
Pohl, J., see M. Albrecht **170**: 67
Poinsot, R., see S. Zoll **165**: 442
Poinsot, R., see M. Maret **166**: 45
Pointon, A.J., see D.R. Franklin **159**: L51
Pokorny, J., see V. Basso **157/8**: 217
Polaczyk, C., see Y. Li **165**: 165
Polaczyk, C., see Y. Li **165**: 227
Polak, Ch., see V. Hong Duong **157/8**: 193
Polański, K., see W. Szmaja **151**: 249
Polavka, J., see A. Košturiak **153**: 184
Polavka, J., see A. Košturiak **169**: 105
Pollard, R.J., M.J. Wilson, P.J. Grundy, Giant magnetoresistance and microstructure in highly oriented Co/Cu multilayers sputter-deposited on (111) silicon **151**: 139
Pollard, R.J., see C.J. Tatnall **156**: 61
Polzikova, N.I., see Yu.V. Gulyaev **157/8**: 482
Pommier, J., see J. Mattsson **152**: 129
Pomyalov, A.V., see I. Laulicht **154**:L291
Pomyalov, A.V., see I. Laulicht **162**: 121
Pop, A., see E. Culea **157/8**: 163
Pop, Gh., see E. Moldovanu **154**: 101
Pop, Gh., see H. Chiriac **157/8**: 227
Pop, Gh., see H. Chiriac **160**: 237
Pop, V., see W. Kappel **157/8**: 35
Pop, V., see E. Burzo **157/8**: 615
Pop, V., see E. Burzo **157/8**: 631
Popa, P.D., see N. Rezlescu **157/8**: 673
Popkov, A.F., see V.Yu. Golyshev **157/8**: 340
Popma, Th.J.A., see E.O. Samwel **155**: 292
Popma, Th.J.A., see Q. Meng **156**: 296
Popov, A.G., D.V. Gynderov, V.V. Stolyarov, Method of formation of a high coercivity state in PrFeBCu alloy **157/8**: 33
Poppa, H., see E. Bauer **156**: 1
Poppi, M., see G. Bordin **153**: 285
Poppi, M., see G. Buttino **170**: 211
Por, P.T., G.N. Coverdale, R.W. Chantrell, M.Th. Rekveldt, A. Hart, D.A. Parker, Theory of neutron depolarisation in particulate dispersions **155**: 70
Por, P.T., W.H. Kraan, J. Mes, M.Th. Rekveldt, Magnetic correlations between Co-modified γ-Fe_2O_3 particles in a solid matrix studied by neutron depolarisation in fields up to 0.5 T **155**: 86
Por, P.T., M.Th. Rekveldt, W.H. Kraan, Determination of the magnetic structure of metal-evaporated tape by small-angle neutron scattering **155**: 306
Por, P.T., M.Th. Rekveldt, The magnetic structure of metal-evaporated tape studied by neutron depolarisation **161**: 357
Por, P.T., A.K. Golshayan, R. Müller, M.Th. Rekveldt, P. Görnert, Magnetic correlations in the remanent state of nano- and micro-crystalline barium hexaferrite particles studied by neutron depolarisation **161**: 367
Por, P.T., W.H. Kraan, P.I. Mayo, M.Th. Rekveldt, K. O'Grady, A neutron depolarisation study of the magnetic correlations in a particulate dispersion during milling **162**: 139
Por, P.T., see W.H. Kraan **155**: 219
Porte, M., see R. Krishnan **156**: 167
Porte, M., see A. Lisfi **157/8**: 258
Porte, M., see R. Krishnan **159**: 175
Porte, M., see R. Krishnan **168**: 15
Porteseil, J.L., see S. Crottier-Combe **160**: 151
Porteseil, J.L., see S. Crottier-Combe **161**: 292
Porthun, S., see V. Kamberský **157/8**: 301
Postava, K., J.F. Bobo, M.D. Ortega, B. Raquet, H. Jaffres, E. Snoeck, M. Goiran, A.R. Fert,

J.P. Redoules, J. Pištora, J.C. Ousset, Magneto-optical measurements of magnetization reversal in nanometer scale sputtered Fe thin films **163**: 8
Postava, K., see J. Pištora **157/8**: 283
Postava, K., see M.D. Ortega **165**: 487
Potanin, A.A., S.M. Srauti, D.W. Arnold, A.M. Lane, Microhydrodynamical modeling of transverse susceptibility of magnetic inks (Theory of 'DIMAG') **170**: 298
Potapov, A.P., see G.V. Kurlyandskaya **160**: 307
Potter, C.D., see R. Schad **156**: 339
Potter, C.D., see R. Schad **156**: 341
Pöttgen, R., H. Borrmann, R.K. Kremer, Ferromagnetic ordering in CeAuGe **152**: 196
Poulopoulos, P., R. Krishnan, N.K. Flevaris, Antiferromagnetic-like coupling evidence in a Pd–Ni multilayer with inverted hysteresis features **163**: 27
Poulopoulos, P., P. Isberg, W. Platow, W. Wisny, M. Farle, B. Hjörvarsson, K. Baberschke, Magnetic anisotropy and exchange coupling in $Fe_nV_m(001)$ superlattices on MgO(001) **170**: 57
Poulopoulos, P., see M. Angelakeris **165**: 334
Prados, C., D. García, F. Lesmes, J.J. Freijo, A. Hernando, Extraordinary anisotropic magnetoresistance effect at room temperature in Co/Ni multilayers **156**: 369
Prados, C., E. Marinero, A. Hernando, Magnetic interactions and anisotropy in amorphous TbFe films **165**: 414
Prados, C., see A. Hernando **157/8**: 501
Prance, R.J., see G.D. Howells **155**: 55
Prandini, A.M., G.B. Fratucello, S. D'Addato, S. Nannarone, Structural and magnetic properties of Ni/γ-Fe/Ni multilayers **165**: 216
Prasad, S., see J. Dash **152**: L1
Prasad, S., see N. Sharma **154**: 296
Prasad, S., see R. Krishnan **163**: 353
Prasad, S., see N. Sharma **166**: 65
Pratt Jr., W.P., see Y. Kobayashi **156**: 362
Pratt, Jr., W.P., see S.D. Steenwyk **170**: L1
Preobrazhensky, V.L., see V.V. Moshkin **170**: 285
Prescott, C.Y., see H.C. Siegmann **151**: L8
Prevel, B., see V. Dupuis **165**: 42
Prida, V.M., see M. Tejedor **160**: 311
Prieto, C., R. Castañer, J.L. Martínez, A. de Andrés, J. Trigo, J.M. Sanz, Structural behavior of Co/Cu multilayers studied by X-ray absorption spectroscopy **161**: 31
Prieto, C., see A. Hernando **157/8**: 501
Prieto, J.L., C. Aroca, E. López, M.C. Sánchez, P. Sánchez, Spectral estimate of a time variable magnetic field **157/8**: 449
Prieur, J., see M. Finazzi **165**: 373
Primak, K.I., see A.L. Sukstanskii **169**: 31
Pring, A., see C.A. McCammon **152**: 33
Pringle, O.A., see S.R. Mishra **162**: 167
Prinz, G.A., see V. Chakarian **156**: 265
Prokhorov, A.S., see A.A. Mukhin **157/8**: 496
Prosser, V., see J.A.C. Bland **156**: 177
Protat, F., see X. Duan **160**: 133
Prozorova, L.A., O.A. Petrenko, AFMR in a quasi-1D noncollinear antiferromagnet $CsMnI_3$ **157/8**: 733
Prudnikov, V.N., see M.V. Prudnikova **166**: 201
Prudnikova, M.V., T.M. Kozlova, V.N. Prudnikov, A.B. Granovsky, Hall effect and magnetoresistance in rapidly quenched Fe–B ribbons **166**: 201
Przeniosło, R., I. Sosnowska, P. Fischer, W. Marti, F. Bartolomé, J. Bartolomé, E. Palacios, R. Sonntag, Magnetic moment ordering of Nd^{3+} and Fe^{3+} in $NdFeO_3$ at low temperature **160**: 370
Przeniosło, R., see I. Sosnowska **160**: 382
Przeniosło, R., see I. Sosnowska **160**: 384
Przewoźnik, J., see J. Marzec **157/8**: 413
Przewoźnik, J., see A. Bombik **168**: 139
Pshenichnikov, A.F., V.V. Mekhonoshin, A.V. Lebedev, Magneto-granulometric analysis of concentrated ferrocolloids **161**: 94
Psycharis, V., O. Kalogirou, E. Devlin, M. Gjoka, A. Simopoulos, D. Niarchos, Structural and intrinsic magnetic material parameters of $Pr_3(Fe,Ti)_{29}$ and $Pr_3(Fe,Ti)_{29}N_x$ **153**: 75
Psycharis, V., see A. Moukarika **163**: 109
Pu, F.-C., see B.-G. Liu **154**: 369
Pugacheva, M., A. Jezierski, Dependence of the magnetic moment on the local atomic order in Rh_2MnX Heusler alloys **151**: 202
Pugh, V.J., see G.C. DeFotis **154**: 83
Puppin, E., see L. Callegaro **155**: 190
Puppin, E., see P. Vavassori **157/8**: 171
Puppin, E., see G. Zangari **157/8**: 256
Pushkar, Yu.E., see N.P. Suponev **157/8**: 376
Pushkarski, V.I., see N.V. Baranov **157/8**: 635
Půst, L., G. Bertotti, I. Tomáš, G. Vértesy, Coercivity and domain wall pinning in nonuniform local magnetic fields **157/8**: 355
Půst, L., see G. Vértesy **164**: 163
Pylyuk, I.V., see M.P. Kozlovskii **169**: 335

Qachaou, A., see H. Lassri **163**: 339
Qasmieh, I., see N.A. Yusuf **166**: 374
Qi, Q.-n., see X.-l. Rao **157/8**: 704
Qin, H.-x., see Z.-q. Jin **169**: 135
Qin, W.D., see J.L. Wang **159**: 357
Qiu, M., M.G. Zhao, Optical fine structure and zero-field splitting of Co^{2+} ions in Cs_2CoCl_4 **164**: 111
Quartu, R., H.T. Diep, Magnetic properties of ferrimagnets **168**: 94
Quinn, A.J., see J.F. Lawler **165**: 195
Quintana, P., E. Amano, C. Echavarrieta, R. Valenzuela, N. Murillo, J.M. Blanco, J.

Gonzalez, Domain wall relaxation in Co-rich amorphous wires **160**: 245
Quintero, M., see J.C. Woolley **162**: 347
Quintero, M., see J.C. Woolley **164**: 154
Raasch, D., H. Wierenga, Exchange coupling and switching fields of RE–TM double and triple layer stacks for direct overwrite **168**: 336
Raasch, D., see J.P.C. Bernards **155**: 370
Rabu, P., see V. Laget **154**: L7
Rabu, P., see S. Rouba **163**: 365
Radkovskaya, A.A., see E.A. Gan'shina **160**: 335
Radnóczi, Gy., see L. Daróczi **156**: 417
Radwan, A.E., Magnetohydrodynamic self-gravitating instability of nonhomogeneous streaming superposed semi-infinite fluids upon a transverse wave propagation **151**: 299
Radwański, R.J., see N.-T.H. Kim-Ngan **157/8**: 407
Radwański, R.J., see F.E. Kayzel **157/8**: 409
Radwański, R.J., see Z. Tarnawski **157/8**: 663
Rafaja, D., see J. Kolovrat **157/8**: 597
Rahmoune, M., J.P. Eymery, Study of ion-beam mixing at a Fe/GaAs interface **165**: 237
Rainbacher, A., see A. Leithe-Jasper **170**: 189
Rainford, B.D., see G.J. Tomka **156**: 431
Rainford, B.D., see D.T. Adroja **161**: 157
Raiser, D., see J.L. Bubendorff **165**: 199
Rakoto, H., see S. Zoll **165**: 442
Ramakrishnan, S., K. Ghosh, S.K. Dhar, S.K. Malik, G. Chandra, R. Vijayaraghavan, Absence of bulk magnetic ordering in $Pr_3Ru_4Ge_{13}$ **152**: 375
Raman, A., see H.-S. Li **162**: 301
Raman, A., see H.-S. Li **166**: 365
Ramanan, V.R.V., see A. Mitra **153**: 231
Ramírez, R., see J.M. González **157/8**: 363
Randoshkin, V.V., see O.A. Aktsipetrov **165**: 421
Rane, M.V., D. Bahadur, S.K. Mandal, M.J. Patni, Characterization of $BaFe_{12-2x}Co_xZr_xO_{19}$ ($0 \leq x \leq 0.5$) synthesised by citrate gel precursor route **153**: L1
Ranno, L., M. Viret, F. Valentin, J. McCauley, J.M.D. Coey, Transport and magnetic properties of $A_{1-x}^{3+}B_x^{2+}MnO_3$ (A = La, Y or Nd, B = Ca, Sr or Ba) magnetic perovskites **157/8**: 291
Rao, K.V., see L.K. Varga **159**:L321
Rao, K.V., see L. Driouch **167**: 47
Rao, U.R.K., V.C. Sahni, T.V. Chandrasekhar Rao, A.K. Tyagi, On the magnetic behaviour of $REBa_2F_7$ compounds (RE = Eu, Dy, Ho, Er, Tm and Yb) **161**: 181
Rao, V., see S. Palit **166**: 186
Rao, X.-l., Q.-n. Qi, J.M.D. Coey, Metamagnetic transition in the $ErNi_2B_2C$ superconductor **157/8**: 704
Rao, X.-L., see S. Brennan **157/8**: 510
Raoux, D., see A. Barbara **156**: 111
Raoux, D., see A. Déchelette-Barbara **165**: 87
Rapoport, Yu.G., see V.V. Grimalsky **157/8**: 727
Raposo, E.P., M.D. Coutinho-Filho, F.C. Montenegro, Influence of frustration on a $d = 3$ diluted antiferromagnet: $Fe_xZn_{1-x}F_2$ **154**:L155
Raquet, B., M.D. Ortega, A. Sdaq, R. Mamy, M. Goiran, A.R. Fert, C. Armand, J.C. Ousset, Magneto-optical studies of magnetization reversal of an Au/Co/Au sandwich **156**: 197
Raquet, B., R. Mamy, J.C. Ousset, Magnetization reversal dynamics in ultrathin magnetic layers **165**: 492
Raquet, B., see K. Postava **163**: 8
Raquet, B., see M.D. Ortega **165**: 487
Rasigni, G., see D. Boursier **165**: 205
Rasing, T., see M. Groot Koerkamp **156**: 213
Rassili, A., M. Ausloos, Theory of the thermal conductivity of metallic localized spin compounds in a magnetic field **163**: 153
Rassili, A., M. Ausloos, Erratum to: Theory of the thermal conductivity of metallic localized spin compounds in a magnetic field **170**: 241
Ratajczak, H., see I. Gościańska **157/8**: 321
Ratajczak, H., see K. Chrzumnicka **160**: 349
Ratuszna, A., see S. Juszczyk **157/8**: 499
Ravach, G., J. Teillet, A. Fnidiki, J.M. Le Breton, L. Driouch, N. Hassanain, Structural changes in Fe–RE–B amorphous ribbons: a Mössbauer study **157/8**: 173
Raveau, B., see A. Maignan **152**: L5
Raveau, B., see V. Caignaert **153**:L260
Raveau, B., see J. Wolfman **159**:L299
Raveau, B., see A. Maignan **168**:L237
Ravet, M.F., see N. Bardou **156**: 139
Ravichandran, V., see M. Manivel Raja **159**: 345
Ravinder, D., see V.M. Fedosyuk **156**: 77
Ravinder, D., see V.M. Fedosyuk **156**: 345
Ravot, D., see S. Merah **161**: 239
Rawwagah, F., see J. Shobaki **159**: 367
Raymond, S., see A. Vernière **153**: 55
Raymond, S., see B. Fåk **154**: 339
Rechenberg, H.R., see L.C.C.M. Nagamine **157/8**: 111
Rechenberg, H.R., see L.C.C.M. Nagamine **162**: 103
Rećko, K., see D. Satuła **169**: 240
Redoules, J.P., see K. Postava **163**: 8
Reehuis, M., J. Rodriguez-Carvajal, M.E. Danebrock, W. Jeitschko, Magnetic properties of the carbides Y_2ReC_2, Tb_2ReC_2, Er_2ReC_2 and Lu_2ReC_2 **151**: 273
Reehuis, M., M.E. Danebrock, J. Rodriguez-Carvajal, W. Jeitschko, N. Stüsser, R.-D. Hoffmann, Antiferromagnetic order of the lanthanoid moments in the carbides Ln_2ReC_2 with Ln = Tb, Dy, Ho and Er **154**: 355
Regnault, L.-P., see S. Rouba **163**: 365
Rehberg, I., see T. Mahr **159**: L45
Rehm, Ch., see J. Tappert **156**: 58
Rehm, Ch., see J. Tappert **157/8**: 317

Rehm, Ch., see J. Tappert **164**: 261
Reid, T., see R. Gerber **157/8**: 295
Reiffers, M., see J.I. Espeso **157/8**: 685
Reilly, M., see P.F. Carcia **164**: 411
Reinders, A., see M.A.M. Gijs **151**: 333
Reinders, A., see K.-M.H. Lenssen **156**: 63
Reinders, A., see M.A.M. Gijs **165**: 17
Reinders, A., see W. Oepts **165**: 356
Reinders, A., see J.J. de Vries **165**: 435
Reinders, A., see J.M. Gaines **165**: 439
Reinsch, B., see B. Saje **157/8**: 76
Reiss, G., see T. Luciński **160**: 347
Reiss, G., see T. Luciński **162**: 29
Reissner, M., see A.S. Lileev **157/8**: 373
Reissner, M., see K.N. Shrivastava **163**: 150
Reitlinger, C.E., see V.E. Martín **157/8**: 51
Rekveldt, M.Th., see M. de Jong **152**: 326
Rekveldt, M.Th., see P.T. Por **155**: 70
Rekveldt, M.Th., see P.T. Por **155**: 86
Rekveldt, M.Th., see W.H. Kraan **155**: 219
Rekveldt, M.Th., see A. van der Graaf **155**: 303
Rekveldt, M.Th., see P.T. Por **155**: 306
Rekveldt, M.Th., see P.T. Por **161**: 357
Rekveldt, M.Th., see P.T. Por **161**: 367
Rekveldt, M.Th., see P.T. Por **162**: 139
Relihan, T., see P.C. Fannin **162**: 319
Relihan, T., see P.C. Fannin **167**: 274
Rellinghaus, B., see G. Dumpich **161**: 37
Ren, S.-W., see Z.-W. Zhang **151**: 82
Ren, S.-W., see Z.-W. Zhang **170**: 184
Renard, D., see J. Ferré **165**: 92
Renard, J.P., see E. Kolb **156**: 377
Renard, J.-P., see M. Finazzi **165**: 373
Renard, J.-P., see A. Anane **165**: 377
Rengel, H., see H. Keller **155**: 101
Rennert, P., see V.S. Stepanyuk **165**: 272
Repetto, M., see O. Bottauscio **160**: 94
Repetto, M., see O. Bottauscio **160**: 96
Ressouche, E., see J.P. Sanchez **152**: 174
Ressouche, E., see P. Javorský **159**: 324
Ressouche, E., see S. Rouba **163**: 365
Ressouche, E., see P. Javorský **164**: 183
Ressouche, E., see T. Jaworska-Gołąb **164**: 371
Revcolevschi, A., see A. Anane **165**: 377
Rezlescu, E., N. Rezlescu, C. Pasnicu, M.L. Craus, Densification by nonmagnetic additives of high frequency lithium–zinc and nickel–zinc ferrites **157/8**: 487
Rezlescu, N., R. Anghelache, P.D. Popa, I. Ciobotaru, Vortex melting transition and periodic pinning in high temperature superconductors **157/8**: 673
Rezlescu, N., see E. Rezlescu **157/8**: 487
Rezlescu, N., see V. Badescu **163**: 225
Rezlescu, N., see R. Bădescu **170**: 235
Rhyne, J.J., see K. Theis-Bröhl **166**: 27
Rialland, J.F., see F. Mazaleyrat **159**: L33
Ribas, R., A. Labarta, Monte Carlo simulation of magnetic relaxation in small-particle systems with dipolar interactions **157/8**: 351
Richomme, F., J. Teillet, A. Fnidiki, J.P. Lebertois, P. Auric, P. Veillet, Magnetic anisotropy in amorphous Fe/Tb multilayers **156**: 181
Richomme, F., B. Scholz, R.A. Brand, W. Keune, J. Teillet, Modulated structure and magnetic properties of UHV deposited Fe/Tb multilayers **156**: 195
Richomme, F., see A. Fnidiki **165**: 405
Richter, H.J., Analytical formulae of switching fields for fanning in a chain of spheres **154**: 263
Richter, H.J., R.J. Veitch, MP tape for high density digital recording **155**: 80
Richter, H.J., R.J. Veitch, A reconsideration of length loss effects **155**: 335
Richter, J., C. Gros, S.E. Krüger, W. Wenzel, J. Schulenburg, Phase transitions in two-layer spin 1/2 antiferromagnets with competing intra-layer and inter-layer couplings **156**: 433
Richter, J., C. Gros, S.E. Krüger, W. Wenzel, Numerical versus exact results for coupled magnetic spin 1/2 layers **157/8**: 336
Richter, M., see I. Mertig **151**: 363
Rieder, K.H., see R. Koch **159**: L11
Riedi, P.C., see A.J.R. Ives **154**: 301
Riedi, P.C., see T. Thomson **156**: 89
Riedi, P.C., see Cz. Kapusta **157/8**: 109
Riedi, P.C., see Cz. Kapusta **159**: 207
Riedling, S., see S.O. Demokritov **165**: 496
Riegel, D., see Y. Li **165**: 165
Riegel, D., see Y. Li **165**: 227
Rieger, G., M. Seeger, L. Sun, H. Kronmüller, Micromagnetic analysis applied to melt-spun NdFeB magnets with small additions of Ga and Mo **151**: 193
Riehemann, W., see B. Weidenfeller **160**: 136
Riehemann, W., see B. Weidenfeller **160**: 287
Rietto, A.M., see J. Sievert **160**: 115
Rikitoku, M., see T. Idogaki **152**: 311
Rinaldi, D., see J. Mira **164**: 241
Ringelstein, N., see V. Pierron-Bohnes **165**: 176
Riou, D., see M. Cavellec **163**: 173
Ripka, P., Noise and stability of magnetic sensors **157/8**: 424
Ritley, K.A., see K. Theis-Bröhl **166**: 27
Ritter, C., C. Marquina, M.R. Ibarra, On the stability of the magnetic ground state of Mn in $Dy_{1-x}Y_xMn_2$ intermetallics **151**: 59
Ritter, C., see P. Schobinger-Papamantellos **169**: 253
Rivas, J., see S. Castro **152**: 61
Rivas, J., see J.M. Riveiro **156**: 243
Rivas, J., see J. Mira **164**: 241
Rivas, J., see P. Vaqueiro **169**: 56
Rivas, M., J.F. Calleja, M.C. Contreras, Transverse Kerr magnetometry for the study of thin films presenting perpendicular and in-plane anisotropy **166**: 53

Rivas, M., see J.F. Calleja **152**: 17
Riveiro, J.M., J.P. Andrés, J. Rivas, Magnetic properties of sputtered Co–Sm multilayers **156**: 243
Robaut, F., see J.M. González **156**: 145
Roberts, D.J., G.A. Gehring, Surface magnetic anisotropies in ultrathin magnetic films **156**: 293
Robinson, P., see B. Tan **155**: 345
Robinson, S.J., J. Castro, G.A. Gehring, Morphology of domain walls in in-plane magnetized thin films with exchange and dipolar interactions **156**: 133
Roblin, O., see O. Acher **157/8**: 480
Rodewald, W., see L. Jahn **153**: 302
Rodewald, W., see W. Fernengel **157/8**: 19
Rodewald, W., see M. Velicescu **157/8**: 47
Rodic, D., V. Spasojevic, A. Bajorek, P. Onnerud, Similarity of structure properties of $Hg_{1-x}Mn_xS$ and $Cd_{1-x}Mn_xS$ (structure properties of HgMnS and CdMnS) **152**: 159
Rodmacq, B., see S. Young **162**: 38
Rodmacq, B., see S. Bouat **165**: 338
Rodriguez, R.I., see L.F. Fonseca **161**: 379
Rodriguez-Carvajal, J., see M. Reehuis **151**: 273
Rodriguez-Carvajal, J., see M. Reehuis **154**: 355
Rodríguez, C., see S. Castro **152**: 61
Rodríguez, M., A. García, C. Aroca, P. Sánchez, E. López, M.C. Sánchez, Magnetic behavior of amorphous ribbons with induced helical anisotropy **157/8**: 177
Rodriguez Fernandez, J., K.A. McEwen, S.W. Zochowski, Magnetic properties of $U_{1-x}Pr_xPd_3$ pseudo-binary compounds **161**: 220
Rodríguez-Fernandez, J., see J. García Soldevilla **157/8**: 624
Rodríguez Fernández, J., see J.I. Espeso **157/8**: 685
Rodríguez-Franco, M., C. Aroca, E. López, M.C. Sánchez, P. Sánchez, Magnetization processes in samples with modulated anisotropy **153**: 141
Roell, K., see B. Szymański **160**: 351
Rogalev, A., see J. Vogel **165**: 96
Rogalski, M.S., M.M. Pereira de Azevedo, J.B. Sousa, Phase and particle size distribution in magnetoresistive Fe–Cu granular alloys investigated by Mössbauer spectroscopy **163**: L257
Rogers, D.J., Y. Maeda, K.M. Krishnan, Investigations of the compositional distribution in epitaxially grown Co–Cr thin films with enhanced saturation magnetisation **163**: 393
Rogl, P., see A. Leithe-Jasper **170**: 189
Rohrmann, H., see J. Dubowik **152**: 201
Rohrmann, H., see S. Becker **155**: 376
Rohrmann, H., see B. Szymański **160**: 351
Roisnel, T., see A. Szytuła **153**: L255
Roisnel, T., see V.H. Tran **161**: 270
Roisnel, T., see D. Laffargue **170**: 155
Rojo, J.M., J.L. Mesa, L. Lezama, G.E. Barberis, T. Rojo, Magnetic properties of $Co_2(OH)(AsO_4)$ **157/8**: 493
Rojo, T., see J.M. Rojo **157/8**: 493
Rojo, T., see A. Goñi **164**: 251
Röll, K., see J. Dubowik **152**: 201
Röll, K., see S. Becker **155**: 376
Romashev, L.N., see V.V. Ustinov **156**: 179
Romashev, L.N., see V.V. Ustinov **156**: 227
Romashev, L.N., see V.V. Ustinov **156**: 337
Ronarch, N., see V. Kottler **165**: 398
Ronconi, F., see D. Fiorani **157/8**: 159
Ronconi, F., see P. Vavassori **157/8**: 171
Rösch, P., M.T. Kelemen, B. Pilawa, E. Dormann, K.H.J. Buschow, NMR analysis and the magnetic properties of $GdMn_6Ge_6$ **164**: 175
Rose, J., see S. Casey **155**: 348
Rose, P., see J. Speakman **156**: 411
Rosenblum, S.S., see J. Li **153**: 246
Rosenblum, S.S., see J. Li **155**: 157
Rösler, M.A., H. Hofmeister, H. Jakusch, Investigation of the oxide layer structure of iron pigments by high-resolution TEM **162**: 377
Rossat-Mignod, J., see R. Troć **151**: 102
Rossi, M., see R. Marcelli **157/8**: 471
Rotariu, O., see V. Badescu **163**: 225
Roth, S., The growth of α-Fe(Si) particles in an amorphous $Fe_{73.5}Mo_3Cu_1Si_{13.5}B_9$ alloy **160**: 266
Rothberg, G.M., see M. Tanaka **156**: 306
Rothman, J., D. Givord, C. Meyer, New magnetic properties in PLD grown epitaxial W(110)/Ni(111)/W(110) trilayers **165**: 202
Rothman, J., see D. Givord **157/8**: 245
Rots, M., see B. Swinnen **156**: 71
Rots, M., see S. Demuynck **165**: 462
Rouba, S., P. Rabu, E. Ressouche, L.-P. Regnault, M. Drillon, Ferromagnetism in 1d and 2d triangular nickel(II)-based compounds **163**: 365
Rouba, S., see V. Laget **154**: L7
Rougier, P., see A. Lisfi **157/8**: 258
Rousseaux, F., see N. Bardou **156**: 139
Rousseaux, F., see M. Hehn **165**: 5
Rousseaux, F., see C. Miramond **165**: 500
Rousset, A., see L. Bouet **153**: 389
Rousset, A., see L. Bouet **155**: 373
Rowe, D.M., see A. Basak **160**: 197
Rozenbaum, V.L., see A.S. Kamzin **161**: 139
Rozenberg, E., J. Pelleg, M.P. Dariel, V. Ezersky, D. Mogilyanski, J. Sariel, G. Sade, Structural and magnetoresistive properties of NiFe/Ag multilayered system **165**: 342
Rücker, U., S. Demokritov, R.R. Arons, P. Grünberg, Antiferromagnetic interlayer coupling in epitaxial Fe/EuS (100) bilayers **156**: 269
Rücker, U., see S. Demokritov **163**: 21
Ruckert, T., J. Tappert, R.A. Brand, W. Keune, Mössbauer-effect study of amorphous $Tb_{1-x}Fe_x$ films **165**: 411
Rudkowska, G., see P. Ciureanu **157/8**: 432
Rudkowska, G., see P. Rudkowski **160**: 313

Rudkowski, P., P. Ciureanu, G. Rudkowska, M. Britel, D. Menard, J.O. Ström-Olsen, A. Yelon, Anisotropic magnetoresistance and giant magnetoimpedance effects in soft magnetic fibers **160**: 313
Rudkowski, P., see P. Ciureanu **157/8**: 432
Rudowicz, C., see Y.Y. Zhou **163**: 80
Ruiz, X., see R. Solé **159**: L39
Ruiz de Angulo, L., J.S. Abell, I.R. Harris, Magnetostrictive properties of polymer bonded Terfenol-D **157/8**: 508
Ruiz de Angulo, L., see N. Martinez **157/8**: 17
Rundlöf, H., see V. Baron **169**: 271
Rupp, G., see H.A.M. van den Berg **165**: 524
Rupp, G., see S. Schmeusser **166**: 267
Rusanov, V., see V. Blaskov **162**: 331
Ruuskanen, P., see Z. Kaczkowski **157/8**: 201
Ruwali, K., see S.N. Kane **157/8**: 519
Ryan, D.H., J.M. Cadogan, S.J. Kennedy, Neutron depolarisation study of magnetic order in a-$Fe_{90}Sc_{10}D_x$ ($0 \leq x \leq 28$) **162**: 55
Ryazantsev, A.A., see V.O. Vas'kovskij **156**: 291
Ryley, A., see M.K. Loze **159**: 249
Ryzhanova, N., see B. Dieny **151**: 378
Ryzhanova, N., see A. Vedyayev **164**: 91

Saal, C., see P. Fleischhauer **159**: 166
Sabanov, S.A., see V.V. Savin **157/8**: 49
Saber, M., see A. Ainane **162**: 230
Sablina, K., see L. Gładczuk **168**: 316
Sabolek, S., E. Babić, Lj. Erceg, Effects of stress on the magnetization of $Fe_{80}B_{20}$ and $Fe_{73.5}Cu_1Nb_3Si_{15.5}B_7$ amorphous alloys **168**: 154
Sachslehner, F., see A. Hasenzagl **157/8**: 467
Sadarnac, D., see R. Kaczmarek **160**: 49
Sade, G., see E. Rozenberg **165**: 342
Safonov, V.L., H. Yamazaki, Nonlinear radiation damping of parametrically excited spin waves **161**: 275
Sahashi, M., see R.Y. Lü **151**: 33
Sahni, V.C., see U.R.K. Rao **161**: 181
Said, M.R., see H. El-Ghanem **169**: 130
Saikawa, K., see T. Nagasima **164**: 115
Saint-Lager, M.C., see A. Barbara **156**: 111
Saint-Lager, M.C., see A. Déchelette-Barbara **165**: 87
Saito, A., M. Hashimoto, E. Kawaguchi, S. Murashige, Stress–magnetization properties of a silicon iron single crystal under stress **160**: 57
Saito, A., K. Nakata, S. Murashige, The two-dimensional magnetic change process of grain-oriented silicon steel under tensile stress **160**: 59
Saito, H., see S. Ishio **164**: 208
Saito, Y., see R.J. Highmore **151**: 95
Saito, Y., see K. Inomata **156**: 219
Saito, Y., see H. Sato **156**: 247
Saje, B., B. Reinsch, S. Kobe-Beseničar, D. Kolar, I.R. Harris, Nitrogenation of Sm_2Fe_{17} alloy with Ta addition **157/8**: 76
Sakai, T., see G. Oomi **156**: 402
Sakakima, H., Y. Irie, Y. Kawawake, M. Satomi, Spin-valve multilayers of [H/Cu/S] (H = Co, Co–Pt, or Co–Fe, S = NiFeCo) and memory cells **156**: 405
Sakakima, H., M. Satomi, Y. Irie, Y. Kawawake, Magnetoresistance in CoMnB/Co(Fe)/Cu/Co(Fe) spin-valves **165**: 108
Sakakima, H., see Y. Kawawake **152**: 233
Sakamoto, I., K. Koguma, M. Nawate, S. Honda, CEMS study of Au/Fe multilayers in an annealing process **165**: 208
Sakayori, Y., see S. Ohta **170**: 168
Sakuma, A., see M. Shindo **161**: L1
Sakurai, T., see S. Kawakita **155**: 172
Sakurai, T., see Y. Tanaka **170**: 289
Salas, F.H., see J.M. Alameda **154**: 249
Salgueiro, M.A., see R.P. Pinto **157/8**: 698
Salkov, I.G., see Yu.I. Gorobets **157/8**: 303
Salter, I.W., see P. Papakonstantinou **152**: 401
Salter, I.W., see R. Atkinson **162**: 131
Salvietti, M., R. Moroni, M. Canepa, P. Ferro, L. Mattera, Thermal effects on the surface magnetism of a 10 ML Fe/Ag(100) film studied by spin polarized metastable deexcitation spectroscopy (SPMDS) **165**: 230
Salvietti, M., see W. Kuch **170**: L13
Samaras, D., see C. Michelakis **157/8**: 347
Sampathkumaran, E.V., see R. Mallik **164**: L13
Samsonenko, N.V., see I.O. Troyanchuk **168**: 309
Samudio, C.A., E. Baggio-Saitovitch, A.Y. Takeuchi, S.F. da Cunha, Hyperfine interactions in the intermetallic system $Ce(Fe_{1-x}Al_x)_2$ Al-rich side **167**: 109
Samuely, P., see M. Mihalik **157/8**: 637
Samwel, E.O., D.B. Bijl, J.C. Lodder, Th.J.A. Popma, Intrinsic angular investigations on metal evaporated tapes **155**: 292
Samwer, K., see R. von Helmolt **151**: 411
Sanchez, J.P., B. Malaman, G. Venturini, A. Blaise, P. Vulliet, E. Ressouche, M. Guillot, Magnetic properties of $DyAg_2Si_2$ from magnetization, Mössbauer and neutron diffraction experiments **152**: 174
Sánchez, J.L., see S. Díaz **151**: 173
Sánchez, M.C., see M. Rodríguez-Franco **153**: 141
Sánchez, M.C., see M. Rodríguez **157/8**: 177
Sánchez, M.C., see C. Favieres **157/8**: 329
Sánchez, M.C., see E.M. Alcalá **157/8**: 436
Sánchez, M.C., see J.L. Prieto **157/8**: 449
Sánchez, M.L., R. Valenzuela, M. Vázquez, A. Hernando, Effects of creep-induced anisotropy on circumferential magnetization in non-magnetostrictive wires **163**: 132
Sánchez, M.L., see M. Tejedor **152**: 191
Sánchez, M.L., see M. Tejedor **157/8**: 141
Sánchez, M.L., see R. Valenzuela **160**: 241
Sánchez, M.L., see M. Tejedor **160**: 311

Sánchez, M.L., see M. Knobel **169**: 89
Sánchez, P., see M. Rodríguez-Franco **153**: 141
Sánchez, P., see M. Rodríguez **157/8**: 177
Sánchez, P., see C. Favieres **157/8**: 329
Sánchez, P., see E.M. Alcalá **157/8**: 436
Sánchez, P., see J.L. Prieto **157/8**: 449
Saniger, J.M., see M.E. Mata-Zamora **161**: L6
Sankapal, A.M., see S.V. Kakatkar **159**: 361
Sankar, S.G., see M.Q. Huang **151**: 150
Sankaranarayanan, V.K., D.C. Khan, Mechanism of the formation of nanoscale M-type barium hexaferrite in the citrate precursor method **153**: 337
Sankaranarayanan, V.K., see Q.A. Pankhurst **155**: 104
Sano, Y., H. Muraoka, I. Watanabe, Y. Nakamura, Effects of nitrogen addition to the CoCr recording layer of a double layered perpendicular rigid disk **155**: 212
Sanz, J.M., see C. Prieto **161**: 31
Sariel, J., see E. Rozenberg **165**: 342
Sarkissian, B., see P.H. Domingues **167**: 87
Sarma, D.D., see C. Carbone **156**: 259
Sasaki, M., see Y. Hara **159**: 125
Sasaki, M., see Y. Hara **168**: 213
Sasaki, S., see I. Yuitoo **159**: 395
Sasaki, T., see S. Takada **157/8**: 455
Sasaki, T., see S. Takada **160**: 33
Sassik, H., see N.V. Baranov **157/8**: 635
Sassik, H., see D. Holzer **169**: 303
Sato, H., K. Honda, Y. Aoki, N. Kataoka, I.J. Kim, K. Fukamichi, Transport properties in Co–Cu granular alloy **152**: 109
Sato, H., Y. Kobayashi, Y. Aoki, Y. Saito, K. Inomata, Oscillations of Hall resistivity and thermoelectric power in Co(Fe)/Cu multilayers **156**: 247
Sato, H., see Y. Kobayashi **156**: 362
Sato, H., see Y. Aoki **162**: 1
Sato, K., see T. Kawana **155**: 273
Sato, K., see S. Mitani **156**: 7
Sato, M., see S. Kawarazaki **153**: 202
Sato, M., see H. Kubota **167**: 12
Sato, T., Y. Sato, M. Fujikura, Y. Haga, Magnetic properties of Fe-based amorphous/nanocrystalline alloy bilayer ribbons **157/8**: 211
Sato, T., see T. Ishiguro **155**: 256
Sato, T., see M. Fujikura **160**: 289
Sato, T., see T. Ando **163**: 277
Sato, T., see M. Özdemir **164**: 53
Sato, Y., see T. Sato **157/8**: 211
Sato Turtelli, R., see J.P. Sinnecker **157/8**: 183
Sato Turtelli, R., see V. Hong Duong **157/8**: 193
Sato Turtelli, R., see C. Kussbach **160**: 293
Satoh, A., R.W. Chantrell, S. Kamiyama, G.N. Coverdale, Potential curves and orientational distributions of magnetic moments of chain-like clusters composed of secondary particles **154**: 183
Satoh, K., see K. Yamada **157/8**: 563
Satomi, M., see H. Sakakima **156**: 405
Satomi, M., see H. Sakakima **165**: 108
Satuła, D., L. Dobrzyński, A. Malinowski, K. Szymański, J. Waliszewski, Hyperfine fields, local environment effects and site preference in $Fe_{3-x}Cr_xAl$ alloys **151**: 211
Satuła, D., L. Dobrzyński, J. Waliszewski, K. Szymański, K. Rećko, A. Malinowski, Th. Brückel, O. Schärpf, K. Blinowski, Structural and magnetic properties of Fe–Cr–Al alloys with DO_3-type structure **169**: 240
Sauer, Ch., see C. Sürig **157/8**: 268
Sauer, Ch., see F. Klinkhammer **161**: 49
Savage, R.M., see G. Srinivasan **168**: 1
Savchenko, N.V., see G.E. Grechnev **157/8**: 677
Savin, V.V., Yr.F. Ternovoy, V.A. Borkovskih, A.V. Nedolya, S.A. Sabanov, Manufacture of gas-atomized powders of Fe–TM–Nd–REM–B alloys and magnets from them **157/8**: 49
Savosta, M., V. Doroshev, V. Borodin, Magnetic anisotropy of $Er_3Fe_5O_{12}$ **157/8**: 523
Savosta, M., see V. Doroshev **157/8**: 669
Sawairi, H., see M. Fujikura **160**: 289
Sawant, S.R., see S.V. Kakatkar **159**: 361
Saxena, R.N., see A.W. Carbonari **163**: 313
Sayah, D., see M. Seqqat **157/8**: 225
Sayah, D., see M. Seqqat **157/8**: 489
Sayouri, S., see M. Slimani **153**: 132
Sayouty, E.H., see H. Lassri **163**: 345
Schad, R., J. Barnas, P. Beliën, G. Verbanck, C.D. Potter, H. Fischer, S. Lefebvre, M. Bessiere, V.V. Moshchalkov, Y. Bruynseraede, Influence of different kinds of interface roughness on the giant magnetoresistance in Fe/Cr superlattices **156**: 339
Schad, R., P. Beliën, J. Barnas, G. Verbanck, C.D. Potter, G. Gladyszewski, V.V. Moshchalkov, Y. Bruynseraede, On the Fe thickness dependence of the giant magnetoresistance in epitaxial Fe/Cr superlattices **156**: 341
Schad, R., see H. Laidler **156**: 332
Schad, R., see G. Gladyszewski **156**: 381
Schad, R., see B.G. Almeida **156**: 399
Schad, R., see B.G. Almeida **157/8**: 730
Schad, R., see J.F. Lawler **165**: 224
Schaf, J., see V.Yu. Galkin **159**: L23
Schäfer, R., see V. Neu **157/8**: 61
Schaper, F.-W., A. Eichler, E. Hallmann, E. Bauer, Pressure dependence of the magnetic order transition in the Kondo lattice compound $CeCu_5$ **157/8**: 613
Schärpf, O., see D. Satuła **169**: 240
Scheinfein, M.R., see K.R. Heim **154**: 141
Schep, K.M., P.J. Kelly, G.E.W. Bauer, Ballistic giant magnetoresistance **156**: 385
Schep, K.M., see G.E.W. Bauer **151**: 369
Scherge, M., see X. Sui **155**: 132
Scheurer, F., see G. Garreau **156**: 81

Schieffer, P., C. Krembel, M.C. Hanf, D. Bolmont, G. Gewinner, Stabilization of a face-centered-cubic Mn structure with the Ag lattice parameter **165**: 180
Schille, J.P., see C.J. Tatnall **165**: 391
Schiller, R., W. Müller, W. Nolting, Electronic quasiparticle structure of a thin ferromagnetic local-moment film **169**: 39
Schilling, J.S., see A.L. Cornelius **161**: 169
Schläfer, D., see W. Grünberger **157/8**: 41
Schleberger, M., see J. Manske **168**: 249
Schmauder, H., M. Liebs, M. Fähnle, Energetics of non-collinear spin configurations for a Mn monolayer on Ni (001) **151**: L1
Schmeusser, S., G. Rupp, A. Hubert, Optimization of giant magnetoresistance in ion beam sputtered Co/Cu multilayers **166**: 267
Schmidbauer, E., R. Keller, Magnetic properties and rotational hysteresis of Fe_3O_4 and γ-Fe_2O_3 particles ~250 nm in diameter **152**: 99
Schmidbauer, E., see R. Keller **162**: 85
Schmidbauer, E., see R. Keller **162**: 327
Schmidlin, F., see S.R. McConochie **155**: 89
Schmidt, H.G., see J. Taubert **168**: 187
Schmidt, S., see J. Langer **156**: 19
Schmidthals, C., see J. Shen **156**: 104
Schmitt, D., see L. Morellon **153**: 17
Schmitt, D., see A. Garnier **157/8**: 389
Schmitt, D., see R. Kuentzler **162**: 314
Schmitt, D., see A. Garnier **167**: 52
Schmool, D.S., see F. Bolzoni **157/8**: 573
Schneeweiss, O., see T. Žák **157/8**: 453
Schneider, C., see B. Heinrich **156**: 215
Schneider, C.M., Perspectives in element-specific magnetic domain imaging **156**: 94
Schneider, C.M., K. Meinel, J. Kirschner, M. Neuber, C. Wilde, M. Grunze, K. Holldack, Z. Celinski, F. Baudelet, Element specific imaging of magnetic domains in multicomponent thin film systems **162**: 7
Schneider, C.M., see J. Shen **156**: 104
Schneider, C.M., see M. Zharnikov **165**: 250
Schneider, C.M., see W. Kuch **170**: L13
Schneider, J., R. Knehans-Schmidt, Bonded hybrid magnets **157/8**: 27
Schneider, J., see F. von Staa **157/8**: 23
Schnell, B., see M. Müller **160**: 284
Schnelle, W., see U. Köbler **170**: 110
Schnitzke, K., see A. Handstein **157/8**: 15
Schobinger-Papamantellos, P., T. Janssen, K.H.J. Buschow, The antiphase domain magnetic structure of the $DyGe_3$ compound **154**: 29
Schobinger-Papamantellos, P., O. Oleksyn, C. Ritter, C.H. de Groot, K.H.J. Buschow, Canted antiferomagnetic structure of the novel compound Er_3Ge_4 by neutron diffraction and magnetic measurements **169**: 253
Scholz, B., see W.S. Kim **156**: 191
Scholz, B., see F. Richomme **156**: 195
Schönenberger, C., see E.A.M. van Alphen **156**: 29
Schönhense, G., see M. Getzlaff **161**: 70
Schorsch, V., see G. Garreau **156**: 81
Schrefl, T., J. Fidler, 3D calculation of magnetization processes in Co/Pt multilayers **155**: 389
Schrefl, T., J. Fidler, Numerical micromagnetics for granular magnetic materials **157/8**: 331
Schrefl, T., see R. Fischer **153**: 35
Schreiber, F., J. Pflaum, Z. Frait, J. Heise, J. Pelzl, Ferromagnetic resonance study of the Fe_xCo_{1-x} alloy system **157/8**: 281
Schreiber, F., see J.A. Cowen **156**: 163
Schreiber, F., see Th. Orth **157/8**: 512
Schreiber, R., see S. Mitani **156**: 7
Schreiber, R., see K. Takanashi **156**: 237
Schreiber, R., see Y. Suzuki **165**: 134
Schreiner, W.H., see D.H. Mosca **156**: 391
Schrey, P., see M. Velicescu **157/8**: 47
Schroeder, P.A., see J.L. Duvail **151**: 324
Schubert, E., see V.E. Martín **157/8**: 51
Schudelaro, A.A.P., see J.J. de Vries **156**: 257
Schuhl, A., see M. Sussiau **165**: 1
Schulenburg, J., see J. Richter **156**: 433
Schuller, I.K., see J.M. Gallego **156**: 397
Schuller, Y., see B.G. Almeida **156**: 399
Schultz, L., see A. Handstein **157/8**: 15
Schultz, L., see W. Grünberger **157/8**: 41
Schultz, L., see V. Neu **157/8**: 61
Schultz, L., see L. Cao **157/8**: 95
Schultz, L., see S. Parhofer **163**: 32
Schulz, B., see M. Farle **165**: 74
Schumann, F.O., see M.E. Buckley **156**: 211
Schumann, R., see L. Jahn **153**: 302
Schüppel, W., see R. Müller **155**: 110
Schüppel, W., see J. Taubert **168**: 187
Schuurmans, P., see T. Phalet **165**: 234
Schwarz, K., see R. Spolenak **157/8**: 715
Schwarz, K., see P. Mohn **157/8**: 721
Schwarzacher, W., K. Attenborough, A. Michel, G. Nabiyouni, J.P. Meier, Electrodeposited nanostructures **165**: 23
Schwarzacher, W., see I. Bakonyi **156**: 347
Schwarzacher, W., see G. Nabiyouni **156**: 355
Schweizer, J., see U. Köbler **170**: 110
Sdaq, A., see B. Raquet **156**: 197
Sebastián, J., see R. Valenzuela **160**: 241
Sechovský, V., see T.D. Cuong **157/8**: 694
Sechovský, V., see M. Kučera **157/8**: 700
Sechovský, V., see P. Javorský **159**: 324
Sechovský, V., see P. Javorský **164**: 183
Sechovský, V., see P. Javorský **166**: 133
Sechovský, V., see A.V. Andreev **169**: 229
Seddat, M., see R. Krishnan **156**: 167
Seddat, M., see R. Krishnan **159**: 175
Seeger, M., see G. Rieger **151**: 193
Seeger, M., see J. van Lier **167**: 43

Seehra, M.S., see G. Srinivasan **168**: 1
Seffar, A., J. Fontcuberta, B. Martínez, J.L. García-Muñoz, S. Piñol, X. Obradors, Giant magnetoresistance in ceramic perovskites La–L–Ca–MnO (L = Y,Gd) **157/8**: 260
Sellmyer, D.J., see I.A. Al-Omari **151**: 145
Sellmyer, D.J., see S.S. Malhotra **161**: 316
Sellmyer, D.J., see Z.S. Shan **161**: 323
Semerikov, A.V., see V.V. Ustinov **156**: 179
Sen, H., see D. Neogy **154**: 127
Senderák, R., see M. Jergel **156**: 117
Senderak, R., see E. Majkova **156**: 415
Senoussi, S., see Y. Öner **170**: 129
Senz, St., see J. Langer **156**: 19
Seqqat, M., M. Nogues, O. Crisan, V. Kuncser, L. Cristea, A. Jianu, G. Filoti, J.L. Dormann, D. Sayah, M. Godinho, Magnetic properties of $Fe_{100-x}Sm_x$ thin films and $Fe_{80-x}Sm_xB_{20}$ thin films and ribbons **157/8**: 225
Seqqat, M., G. Nicoara, M. Noguès, J.L. Dormann, D. Sayah, Transition from collinear to canted structures in substituted ferrites **157/8**: 489
Sequeda, F., see X. Tang **155**: 164
Serikov, V.V., see N.V. Mushnikov **167**: 93
Serpico, C., see G. Miano **160**: 89
Serraj, A., see F. Bolzoni **157/8**: 573
Sever, G.N., I.K. Bolnykh, S.Yu. Yuseena, Influence of a magnetic field on the spectral characteristics of the photoelectric effects in $HgCr_2Se_4$ **157/8**: 473
Severijns, N., see T. Phalet **165**: 234
Severijns, N., see M. Trhlík **165**: 408
Shah, D.O., see V. Pillai **163**: 243
Shaikh, A.K., D. Wexler, G.W. Delamore, Effect of annealing on the magnetic properties and microstructure of amorphous $Co_{75}Si_{10}B_{15}$ **152**: 345
Shan, Z.S., S.S. Malhotra, S.H. Liou, Y. Liu, M. Yu, D.J. Sellmyer, Magnetic properties and magnetization reversal of CoSm‖Cr thin films **161**: 323
Shan, Z.S., see S.S. Malhotra **161**: 316
Shao, Y.Z., J.K.L. Lai, C.H. Shek, Preparation of nanocomposite working substances for room-temperature magnetic refrigeration **163**: 103
Sharma, N., A.K. Nigam, R. Pinto, N. Venkataramani, S. Prasad, G. Chandra, S.P. Pai, Giant magnetoresistance effect in $La_{0.8}Sr_{0.2}MnO_3$ thin films **154**: 296
Sharma, N., A.K. Nigam, R. Pinto, N. Venkataramani, S. Prasad, G. Chandra, S.P. Pai, Giant magnetoresistance studies on $La_{(0.8-x)}R_xSr_{0.2}MnO_3$ thin films (R = Pr, Nd, Gd, Ho) **166**: 65
Sharygin, S.V., see I.V. Golosovsky **169**: 123
Shatskii, P.P., New types of domain walls **153**: 189
Shcherba, I.D., M.D. Koterlyn, A.P. Kushnir, R.R. Kutjanskyj, V.G. Synjushko, Yu.D. Tsybukh, B.M. Yatsyk, I.I. Margolych, Peculiarities of the valence state of Ce and Yb in RM_4Al_8 (R = rare earth; M = Cr, Mn, Fe, Cu) **157/8**: 688
Shearwood, C., A.D. Mattingley, M.R.J. Gibbs, Growth and patterning of amorphous FeSiBC films **162**: 147
Shearwood, C., see J.A. Cowen **165**: 383
Sheiko, L., A. Moroshkin, S. Gaiduk, The characteristic properties of magnetization processes of 3% Si–Fe sheets in transformer cores **157/8**: 457
Sheiko, L., S. Gaiduk, G. Brekharya, Spatial distribution of the gap-stray fields and it influence on domain structure and magnetization processes of laminated grain-oriented silicon steel sheets **168**: 121
Shek, C.H., see Y.Z. Shao **163**: 103
Shen, B.-g., H.-y. Gong, Z.-h. Cheng, F.-w. Wang, B. Liang, L.-s. Kong, H.-q. Guo, W.-s. Zhan, J.-g. Zhao, Effects of Ga substitution in $Er_2Fe_{17}C_2$ compounds on the structure and magnetic properties **151**: 111
Shen, B.-g., H.-y. Gong, Z.-h. Cheng, L.-s. Kong, F.-w. Wang, B. Liang, J.-x. Zhang, H.-q. Guo, J.-g. Zhao, Effects of Ga substitution on the hard magnetic properties of the $Sm_2Fe_{17}C_{1.5}$ compounds **153**: 332
Shen, B.G., see B.X. Gu **167**: 105
Shen, J., M.-T. Lin, J. Giergiel, C. Schmidthals, M. Zharnikov, C.M. Schneider, J. Kirschner, Annealing effect on morphology and magnetism of ultrathin films of Fe and Ni on Cu(100) **156**: 104
Shen, J., see A. Kirilyuk **159**: L27
Shen, N.X., Y.D. Zhang, J.I. Budnick, W.A. Hines, X-ray diffraction and magnetization studies on Sm_2Fe_{17} and its nitrides **162**: 265
Shen, Q., D.E. Ellis, Y. Lee, W.P. Halperin, J.A. Thompson, B.M. Hoffman, Monte Carlo study of magnetic properties of a $Cu_{1-c}Ni_c$(pc)I spin chain **152**: 139
Shen, T., see I. Pape **156**: 373
Shen, T.-H., see C.M. Emmerson **156**: 15
Shen, T.H., see C.M. Emmerson **165**: 301
Sheng, Q.G., B.R. Cooper, Pressure-induced magnetic ordering effects in correlated-electron uranium monochalcogenides **164**: 335
Shestakov, A., see V. Doroshev **157/8**: 669
Shevchenko, N.B., see J.A. Christodoulides **166**: 283
Shibao, K., see M. Enokizono **160**: 73
Shieh, H.-P.D., see P.-Y. Liu **155**: 385
Shiga, M., H. Wada, Magnetic and thermal properties of $TbMn_2$ and $Tb(Mn_{1-x}Al_x)_2$ compounds **151**: 225
Shiga, M., see H. Wada **152**: 165
Shiga, M., see H. Nakamura **157/8**: 657
Shiga, M., see M. Forsthuber **157/8**: 681
Shiga, M., see H. Nakamura **163**: L1
Shiga, M., see H. Nakamura **168**: 182

Shigeoka, T., see A. Garnier **157/8**: 389
Shiiki, K., see K. Umino **153**: 323
Shiiki, K., see M. Kobayashi **166**: 329
Shiiki, K., see H. Nakajima **167**: 259
Shim, Y.J., see K.C. Cho **155**: 284
Shimada, Y., see O. Kitakami **164**: 43
Shimatsu, T., D.D. Djayaprawira, A. Endo, N. Iwata, M. Takahashi, T. Wakiyama, Intergranular magnetic coupling in CoNiCrPt and CoCrTaPt thin-film media characterized by the temperature dependence of the rotational hysteresis loss **155**: 242
Shimatsu, T., D.D. Djayaprawira, M. Takahashi, T. Wakiyama, Effect of Pt on the magnetic anisotropy and intergranular exchange coupling in $(Co_{86}Cr_{12}Ta_2)_{100-x}Pt_x$ and $(Co_{62.5}Ni_{30}Cr_{7.5})_{100-x}Pt_x$ thin-film media **155**: 246
Shimatsu, T., see S. Kawakita **155**: 172
Shimatsu, T., see J. Nakai **155**: 234
Shimatsu, T., see A. Kikuchi **155**: 238
Shimokawa, K., H. Dohnomae, T. Mukai, H. Yamada, H. Matsuda, M. Daimon, Nanocrystalline garnet disks for magneto-optical recording media **154**: 271
Shin, K.-H., see K.-I. Min **156**: 375
Shindo, M., M. Ishizone, H. Kato, T. Miyazaki, A. Sakuma, Exchange-spring behavior in sputter-deposited α-Fe/Nd–Fe–B multilayer magnets **161**: L1
Shinjo, T., T. Ono, Magnetoresistance of multilayers on microstructured substrates **156**: 11
Shinjo, T., see Y. Kobayashi **156**: 45
Shinjo, T., see T. Emoto **156**: 47
Shinjo, T., see K. Mibu **156**: 299
Shinjo, T., see N. Hosoito **156**: 325
Shinjo, T., see K. Mibu **163**: 75
Shinjo, T., see M. Trhlik **165**: 408
Shinohara, T., see T. Ishiguro **155**: 256
Shiojiri, M., see I. Sosnowska **160**: 382
Shipil', E., A. Pogorily, Magnetic anisotropy in amorphous and multilayered Tb–Fe films **157/8**: 293
Shipko, M.N., see V.G. Kostishyn **160**: 361
Shipko, M.N., see V.G. Kostishyn **160**: 363
Shipko, M.N., see V.G. Kostishyn **160**: 365
Shipov, A.W., see Yu.G. Pastushenkov **157/8**: 67
Shirane, T., see T. Bitoh **154**: 59
Shirkoohi, G.H., Anisotropic dependence of magnetostriction in electrical steels under applied linear stress **157/8**: 516
Shirkoohi, G.H., see Z.Q. Wu **160**: 79
Shirota, Y., see M. Jimbo **165**: 308
Shiryaev, S.V., see M. Baran **166**: 124
Shliomis, M.I., On "Maxwell's equations and vorticity: A note on the viscosity of magnetic fluids" **159**: 236
Shobaki, J., F. Rawwagah, I. Abu-Aljarayesh, N.A. Yusuf, Numerical calculation of the temperature variation of the optical anisotropy in magnetic fluids **159**: 367
Shoji, H., H. Nashi, K. Eguchi, M. Takahashi, An experimental trial for the synthesis of α″-$(Fe_{100-x}Co_x)_{16}N_2$ ($x = 0$–30) martensite films by reactive sputtering **162**: 202
Shoji, H., see Y. Takeda **152**: 243
Shreder, E.I., see V.V. Ustinov **156**: 179
Shringi, S.N., see J. Dash **152**: L1
Shringi, S.N., see R. Krishnan **163**: 353
Shrivastava, K.N., M. Reissner, W. Steiner, Mössbauer relaxation time of ^{57}Fe in $Y(Fe_xAl_{1-x})_2$ as a function of magnetic field **163**: 150
Shumsky, M., see P.C. Ezekwenna **168**: 149
Shute, H.A., D.T. Wilton, D.J. Mapps, Approximate spectral response functions for single pole heads **157/8**: 577
Siberchicot, B., T. Mallah, M. Verdaguer, Theoretical study of high-T_C molecular-based cyanide magnets **157/8**: 417
Siblini, A., see R. Nasri **161**: 309
Siegmann, H.C., E.L. Garwin, C.Y. Prescott, J. Heidmann, D. Mauri, D. Weller, R. Allenspach, W. Weber, Magnetism with picosecond field pulses **151**: L8
Sietsma, J., see M. de Jong **152**: 326
Sievert, J., H. Ahlers, M. Birkfeld, B. Cornut, F. Fiorillo, K.A. Hempel, T. Kochmann, A. Kedous-Lebouc, T. Meydan, A. Moses, A.M. Rietto, European intercomparison of measurements of rotational power loss in electrical sheet steel **160**: 115
Sievert, J.D., see D. Son **160**: 65
Sievert, J.D., see T. Kanada **160**: 77
Sievert, J., see H. Ahlers **160**: 187
Sigov, A.S., see A.I. Morosov **165**: 367
Sijgers, B., see T.W. Krause **169**: 207
Sil, S., S. Basu, Magnetic properties of disordered binary Heisenberg alloy **169**: 343
Simizu, S., see M.Q. Huang **151**: 150
Simmons, R., see R. Davidson **155**: 13
Simon, Ch., see A. Maignan **152**: L5
Simon, Ch., see V. Caignaert **153**:L260
Simon, Ch., see J. Wolfman **159**:L299
Simon, V., see I. Ardelean **157/8**: 165
Simonian, S.G., see V.H. Arakelian **167**: 149
Simopoulos, A., see V. Psycharis **153**: 75
Simopoulos, A., see L. Yiping **164**: 357
Šimša, Z., see J. Buršík **157/8**: 311
Šimša, Z., see Y. Kawai **157/8**: 537
Šimšová, J., see R. Gerber **157/8**: 295
Šimšová, J., see V. Kamberský **157/8**: 301
Sin, K., P. Glijer, J.M. Sivertsen, J.H. Judy, Electron energy loss spectroscopy studies of CoCrTaPt/Cr thin films for high-density longitudinal magnetic recording media **155**: 209
Sinan, S.A., A.C. Neiva, I.R. Harris, Preparation of $Sm_{10.2}Fe_{85.8}Nb_4$ nitride-based permanent magnet by HDDR process **157/8**: 101

Sinclair, G.J., G.A. Jones, P.J. Grundy, Magnetic interactions in CoCrPt bilayer films **155**: 182
Sinclair, G.J., see P. Dova **155**: 176
Sinclair, G.J., see G.A. Jones **163**: 232
Sinclair, R., see E. Snoeck **151**: 24
Sinclair, R., see A. Ishikawa **152**: 265
Sinclair, R., see J. Li **153**: 246
Sinclair, R., see J. Li **155**: 157
Singh, D.P., see R.P. Pant **164**: 143
Singleton, E.W., see I.A. Al-Omari **151**: 145
Sinha, G., R. Chatterjee, M. Uehara, A.K. Majumdar, Relaxation of thermo-remanent magnetization in different magnetic phases of Fe-rich γ-FeNiCr alloys **164**: 345
Sinnecker, E.H.C.P., see X.C. Kou **157/8**: 83
Sinnecker, J.P., R. Sato Turtelli, G. Badurek, R. Grössinger, Time evolution study of the domain structure in amorphous $Fe_{64}Co_{21}B_{15}$ and $Co_{77}B_{23}$ using dynamic 3D-neutron depolarization **157/8**: 183
Sipahi, L.B., see A. Mitra **153**: 231
Sivasamy, P., see S. Casey **155**: 348
Sivertsen, J.M., see C.-L. Lin **155**: 168
Sivertsen, J.M., see K. Sin **155**: 209
Skokov, K.P., see Yu.G. Pastushenkov **157/8**: 67
Skolozdra, R., see B. García-Landa **157/8**: 21
Skolozdra, R., see B. García-Landa **157/8**: 121
Skolozdra, R.V., see J. Tobola **159**: 192
Skomski, R., Spin-glass permanent magnets **157/8**: 713
Skomski, R., see K. O'Donnell **157/8**: 79
Skomski, R., see S. Brennan **157/8**: 510
Škorvánek, I., see A. Kowalczyk **152**: L279
Skriver, H.L., see A.M.N. Niklasson **156**: 128
Skutt, G., F.C. Lee, Examining flux distributions in ferrite magnetic structures **160**: 318
Sláma, J., V. Jančárik, E. Ušák, Contribution to laminar effects in magnetic yokes **157/8**: 463
Sláma, J., V. Jančárik, E. Ušák, The correlation between the complex permeability and the stray flux in the gaps between the laminations **160**: 203
Sláma, J., see A. Košturiak **153**: 184
Sławiński, P., see Z. Kletowski **162**: 277
Slawiński, P., see Z. Kletowski **166**: 361
Ślawska-Waniewska, A., R. Żuberek, P. Nowicki, Saturation magnetostriction of FeZrB(Cu) nanocrystalline alloys **157/8**: 147
Ślawska-Waniewska, A., J.S. Munoz, P. Nowicki, Evolution of the crystalline phase with annealing temperature in $Fe_{89}Zr_7B_4$ alloy **160**: 251
Ślawska-Waniewska, A., R. Żuberek, Magnetic properties of FeZrB(Cu) amorphous alloys; the effect of boron content **160**: 253
Ślawska-Waniewska, A., see L. Małkiński **157/8**: 195
Ślawska-Waniewska, A., see K. Brzózka **160**: 255
Ślawska-Waniewska, A., see L. Małkiński **160**: 273
Ślebarski, A., A. Jezierski, A. Zygmunt, M. Neumann, S. Mähl, G. Borstel, The crystallographic, magnetic and electronic properties of RM_2X_2 (R = La, Ce, Pr; M = Cu, Ni; X = Sn, Sb) **159**: 179
Slimani, M., M. Hamedoun, H. Lassri, S. Sayouri, R. Krishnan, Magnetization studies of amorphous $Fe_{80-x}Tm_xB_{20}$ alloys **153**: 132
Slimani, M., M. Hamdoun, A. Itri, H. Lassri, R. Krishnan, Some magnetic properties and exchange interactions in $Fe_{80-x}Tm_xB_{12}Si_8$ amorphous alloys **163**: 349
Slonczewski, J.C., Current-driven excitation of magnetic multilayers **159**: L1
Smardz, L., see K. Chrzumnicka **160**: 349
Smirnov, A.I., I.N. Khlyustikov, Electric field governed magnetic susceptibility and *M–E* hysteresis in antiferromagnetic Gd_2CuO_4 **157/8**: 391
Smirnov-Rueda, R., see J.M. González **156**: 145
Smirnov-Rueda, R., see J.M. González **157/8**: 363
Smith, G.D.W., see T.W. Usherwood **162**: 383
Smith, P.A.I., see J. Ding **161**: 303
Smolyak, B.M., G.V. Ermakov, The paramagnetic effect of clusters in granular superconductors under the Meissner magnetization **153**: 311
Snegirev, V.V., see R.Z. Levitin **170**: 223
Snelling, H.V., see J.P. Hayes **157/8**: 531
Snoeck, E., R. Sinclair, M.A. Parker, T.L. Hylton, K.R. Coffey, J.K. Howard, A. Lessmann, A.I. Bienenstock, Microstructural evolution of NiFe/Ag multilayers studied by X-ray diffraction and in situ high-resolution TEM **151**: 24
Snoeck, E., see K. Postava **163**: 8
Snoeck, E., see J.F. Bobo **164**: 61
Snoeck, E., see S. Pizzini **166**: 38
Snyder, J.E., see X. Sui **155**: 132
So, M.H., see P.I. Nicholson **160**: 162
Soares, J.C., see S. Li **165**: 363
Šob, M., see J. Kudrnovský **156**: 245
Sobolev, V.L., H.L. Huang, Magnetization dynamics in a medium with spatial dispersion of relaxation **155**: 46
Sobolev, V.L., see C.T. Teh **155**: 43
Sobota, J., see J. Pištora **157/8**: 283
Socino, G., see G. Carlotti **165**: 424
Soga, N., see K. Tanaka **168**: 203
Sohma, M., see K. Kawaguchi **156**: 235
Sohn, H., see H.L. Ju **167**: 200
Solé, R., X.X. Zhang, X. Ruiz, M. Aguiló, F. Díaz, Magnetic properties of $BaFe_{12-(x+y)}Sn_xCo_yO_{19}$ single crystals **159**: L39
Solera, J.A., see P.A. Algarabel **157/8**: 521
Sollis, P.M., P.R. Bissell, R.W. Chantrell, The effects of texture and interactions on transverse susceptibility measurements of particulate media **155**: 123
Sólyom, A., see T. Žák **157/8**: 453
Solzi, M., F. Albertini, G. Asti, F. Bolzoni, I. Suberbielle, J.P. Liu, F.R. de Boer, Magnetic

phase transitions in interstitial compounds $Er_2Fe_{17}C_x$ **157/8**: 85
Solzi, M., see G. Asti **157/8**: 559
Somekh, R.E., see M.J. Hall **156**: 119
Somekh, R.E., see J. Speakman **156**: 411
Somekh, R.E., see J.S. Conyers **156**: 419
Son, D., J.D. Sievert, Y. Cho, Core loss measurements including higher harmonics of magnetic induction in electrical steel **160**: 65
Song, J.M., J.G. Koh, Studies on the electrical properties of polycrystalline cobalt-substituted lithium ferrites **152**: 383
Song, W., see T. Yamaguchi **156**: 279
Song, X., see A. Yan **169**: 193
Song, X.-J., see Z.-W. Zhang **170**: 184
Song, Y.J., G.B. Turpin, R.E. Bornfreund, H. Aoyama, P.E. Wigen, Effects of oxygen vacancies on the magnetic and electrical properties of Ca-substituted yttrium iron garnet **154**: 37
Sonntag, R., see F. Albertini **157/8**: 655
Sonntag, R., see R. Przeniosło **160**: 370
Sorensen, C.M., see L. Yiping **164**: 357
Sorensen, C.M., see R.J. Bandaranayake **169**: 289
Sosnowska, I., R. Przeniosło, M. Shiojiri, P. Fischer, Neutron diffraction studies of the crystal and magnetic structure of $BaTi_2Fe_4O_{11}$ **160**: 382
Sosnowska, I., R. Przeniosło, P. Fischer, V.A. Murashov, Neutron diffraction studies of the crystal and magnetic structures of $BiFeO_3$ and $Bi_{0.93}La_{0.07}FeO_3$ **160**: 384
Sosnowska, I., see R. Przeniosło **160**: 370
Soubeyroux, J.L., see S. Liesert **157/8**: 57
Soubeyroux, J.L., see E. Tomey **157/8**: 113
Soubeyroux, J.L., see E. Tomey **157/8**: 115
Soubeyroux, J.L., see B. García-Landa **157/8**: 121
Soubeyroux, J.L., see E. Brando **157/8**: 465
Soubeyroux, J.-L., see J. Tobola **157/8**: 708
Soubeyroux, J.-L., see J. Ayres de Campos **164**: 305
Soulard, B., see R. Berger **167**: 129
Sousa, J.B., see M.M. Amado **153**: 107
Sousa, J.B., see M.M.P. de Azevedo **156**: 357
Sousa, J.B., see B.G. Almeida **156**: 399
Sousa, J.B., see M.M.P. de Azevedo **157/8**: 276
Sousa, J.B., see R.P. Pinto **157/8**: 698
Sousa, J.B., see B.G. Almeida **157/8**: 730
Sousa, J.B., see J.-E. Wegrowe **161**: 133
Sousa, J.B., see M.S. Rogalski **163**:L257
Sousa, J.B., see S. Li **165**: 363
Sovák, P., see J. Kováč **157/8**: 197
Sovák, P., see J. Füzer **157/8**: 205
Sovák, P., see I. Gościańska **157/8**: 321
Spada, F.E., see F.T. Parker **162**: 122
Spaepen, F., Effect of stress on the driving force for interdiffusion in amorphous Si–Ge multilayers **156**: 407
Spasojevic, V., see D. Rodic **152**: 159
Speakman, J., P. Rose, J.A. Hunt, N. Cowlam, R.E. Somekh, A.L. Greer, The study of self-diffusion in crystalline and amorphous multilayer samples by neutron reflectometry **156**: 411
Speckmann, M., see R. Jansen **165**: 258
Speliotis, D.E., Advanced MP^{++} and $BaFe^{++}$ tapes **155**: 83
Speriosu, V.S., see H. Lefakis **154**: 17
Sperl, J., see H. Krenn **157/8**: 561
Spichkin, Yu.I., J. Bohr, A.M. Tishin, Elastic properties of $Ho_{0.5}Er_{0.5}$ single crystal **161**: 265
Spichkin, Yu.I., see S.Y. Dan'kov **152**: 208
Spilsbury, D., see J.K. Hong **156**: 55
Spirlet, J.C., see M. Godinho **157/8**: 690
Spirlet, J.C., see A.P. Gonçalves **157/8**: 692
Spirlet, J.C., see P. Estrela **167**:L185
Spišák, D., J. Hafner, R. Lorenz, Noncollinear magnetism in amorphous Fe–Y alloys **166**: 303
Spišák, D., J. Hafner, Theory of bilinear and biquadratic exchange interactions in iron: Bulk and surface **168**: 257
Spolenak, R., E. Bauer, H. Müller, H. Kirchmayr, P. Blaha, P. Mohn, K. Schwarz, (Fe,Mn)Si: transitions from a magnetic to a nonmagnetic state and from metallic to semiconducting behaviour **157/8**: 715
Spornic, S., D. Moussaoui, A. Kedous-Lebouc, B. Cornut, Frequency magnetic behaviour of SiFe sheets in a rotational field **160**: 147
Spornic, S., see A. Kedous-Lebouc **160**: 45
Spratt, G.W.D., see T. Pan **155**: 309
Springholz, G., see Z. Wilamowski **156**: 207
Squire, P.T., S.N. Hogsdon, H. Hauser, Domain processes in grain-oriented silicon steel studied by means of ΔE effect **157/8**: 527
Squire, P.T., Magnetomechanical measurements and their application to soft magnetic materials **160**: 11
Squire, P.T., see V. Hašlar **153**: 63
Squire, P.T., see S. Atalay **157/8**: 145
Squire, P.T., see J. Gutiérrez **157/8**: 543
Srauti, S.M., see A.A. Potanin **170**: 298
Srinivas, D., see R.P. Pant **164**: 143
Srinivasan, G., R.M. Savage, V. Suresh Babu, M.S. Seehra, Anomalies in the structural and magneto-transport properties of thin films of Bi substituted La–Ca–Mn–O **168**: 1
Stabrowski, M., see S. Tumański **160**: 165
Stadelmann, P., see C. Beeli **164**: 77
Stafford, D.C., see S.S. Malhotra **161**: 316
Stamps, R., see K. Ounadjela **156**: 267
Stamps, R.L., see L. Louail **165**: 387
Stamps, R., see P. Wigen **165**: 465
Stamps, R.L., see L. Louail **167**:L189
Stancu, A., Numerical implementation of mixed-type models for recording media magnetization processes **155**: 22

Standaert, C., K. Eloot, A. De Paepe, P. Wokowski, Decarburisation of interlocked and laser welded stator and rotor cores **160**: 139
Standaert, C., see K. Eloot **157/8**: 459
Standaert, C., see A. De Paepe **160**: 129
Stanek, J., see C.V. Thang **157/8**: 645
Stankiewicz, A., B.A. Ivanov, A. Maziewski, Domain structure changes in a large pulse in-plane field **157/8**: 357
Starodub, V., see L. Kolpakova **160**: 374
Steenwyk, S.D., S.Y. Hsu, R. Loloee, J. Bass, W.P. Pratt, Jr., Perpendicular-current exchange-biased spin-valve evidence for a short spin-diffusion length in permalloy **170**: L1
Steiner, W., see A.S. Lileev **157/8**: 373
Steiner, W., see U. Außerlechner **157/8**: 579
Steiner, W., see K.N. Shrivastava **163**: 150
Steinhorst, M., see C. Burkhardt **169**: 69
Stek, A., see S.E. Stupp **159**: 406
Štěpánková, H., J. Englich, M. Nejezchleba, J. Kohout, H. Lütgemeier, ^{57}Fe NMR study of magnetization processes in barium hexaferrites **157/8**: 393
Stepanyuk, V.S., W. Hergert, P. Rennert, K. Wildberger, R. Zeller, P.H. Dederichs, Metamagnetic states of 3d nanostructures on the Cu(001) surface **165**: 272
Steren, L.B., see J.L. Duvail **151**: 324
Steren, L.B., see V. Dupuis **165**: 42
Steren, L.B., see F. Fettar **165**: 316
Štichauer, L., see J. Buršík **157/8**: 311
Stobiecki, F., see J. Dubowik **152**: 201
Stobiecki, F., see K. Chrzumnicka **160**: 349
Stobiecki, F., see B. Szymański **160**: 351
Stobiecki, F., see T. Luciński **160**: 354
Stobiecki, T., see E. Jędryka **156**: 38
Stobiecki, T., see M. Wójcik **157/8**: 220
Stobiecki, T., see M. Czapkiewicz **160**: 357
Stoeffler, D., F. Gautier, Theoretical study of thin Fe films deposited on a Cr(001) substrate: step-induced extended defects **156**: 114
Stoeffler, D.C.A., Calculations of electronic and magnetic structures in ultra-thin magnetic systems **165**: 62
Stoeffler, D., see L. Pizzagalli **154**: 213
Stoeffler, D., see S. Zoll **156**: 231
Stoeffler, D., see S. Zoll **165**: 442
Stoeffler, D.C.A., see C.C. Cornea-Borodi **165**: 450
Stoemenos, J., see M. Angelakeris **165**: 334
Stolyarov, V.V., see A.G. Popov **157/8**: 33
Stoppels, D., Developments in soft magnetic power ferrites **160**: 323
Story, T., see P. Łazarczyk **169**: 151
Street, R., see P.G. McCormick **157/8**: 7
Street, R., see L. Folks **159**: 109
Street, R., see J. Ding **161**: 303
Street, R., see J. Ding **162**: 271
Street, R., see D.C. Crew **163**: 299
Street, R., see J. Ding **164**: 385
Strijkers, G.J., see H.J.M. Swagten **156**: 329
Ström, V., see L.K. Varga **159**: L321
Ström-Olsen, J.O., see P. Ciureanu **157/8**: 432
Ström-Olsen, J.O., see P. Rudkowski **160**: 313
Ström-Olsen, J.O., see X. Chen **167**: 80
Stroscio, J.A., see A. Davies **165**: 82
Studnička, V., see R. Gerber **157/8**: 295
Stupakiewicz, A., see M. Kisielewski **157/8**: 315
Stupp, S.E., Surface erasure effect at larger easy-axis angles in ME tape **155**: 276
Stupp, S.E., J.P.C. Bernards, Inter-layer variation in the magnetic properties in multi-layer ME tapes **155**: 300
Stupp, S.E., A. Stek, An experimental test of the static approximation for the recording process in magnetic media **159**: 406
Stupp, S.E., see S.B. Luitjens **155**: 261
Stupp, S.E., see A. van der Graaf **155**: 303
Sturc, P., see Z. Frait **157/8**: 533
Stüsser, N., see A. Szytuła **153**: 273
Stüsser, N., see M. Reehuis **154**: 355
Stüsser, N., see A. Zygmunt **161**: 127
Stüsser, N., see A. Szytuła **164**: 377
Stüsser, N., see S. Baran **170**: 143
Stybliková, R., see K. Draxler **157/8**: 447
Suard, E., see V. Caignaert **153**: L260
Suberbielle, I., see M. Solzi **157/8**: 85
Suga, Y., see N. Takahashi **160**: 98
Sugawara, A., Y. Haga, O. Nittono, Self-alignment of metallic nanowires in CaF_2-based composite films grown on stepped NaCl substrates **156**: 151
Sugawara, S., see S. Ishio **164**: 208
Sugawara, T., K. Takanashi, K. Hono, H. Fujimori, Study of giant magnetoresistance behavior in sputter-deposited Cr–Fe alloy films **159**: 95
Sugita, Y., see R. Nakatani **166**: 261
Sugita, Y., see R. Nakatani **170**: 74
Sugiyama, T., O. Nittono, Granular alloy type giant magnetoresistance of discontinuous Co/continuous Cu multilayered film **156**: 143
Sui, X., M. Scherge, M.H. Kryder, J.E. Snyder, V.G. Harris, N.C. Koon, Barium ferrite thin-film recording media **155**: 132
Sui, Y.C., Z.D. Zhang, W. Liu, Q.F. Xiao, X.G. Zhao, T. Zhao, Y.C. Chuang, Mechanically alloyed isotropic (Nd,Dy)–Fe–C magnets **170**: L17
Sui, Y.-c., see Z.-q. Jin **169**: 135
Sukhorukov, Y.P., N.N. Loshkareva, S.N. Tugushev, Great magnetic linear dichroism in $HgCr_2Se_4$ and construction of an IR modulator based on it (great MLD in $HgCr_2Se_4$) **159**: 342
Sukiennicki, A., Chaos in structurally perfect soft magnets **160**: 1
Sukstanskii, A.L., S.V. Tarasenko, E.Yu. Melikhov, Nonlinear interface spin waves in magnets **164**: 105

Sukstanskii, A.L., K.I. Primak, Domain structure in an ultrathin ferromagnetic film **169**: 31
Sullivan, J.L., The tribology of flexible magnetic recording media **155**: 312
Sullivan, J.L., see M.S. Hempstock **155**: 323
Sulpice, A., see S. Mangin **165**: 13
Sumanasekera, G.U., see D.V. Baxter **156**: 359
Sun, C.C., see X.R. Huang **162**: 253
Sun, H., T. Tomida, S. Hirosawa, Y. Maehara, Magnetic properties and microstructure studies of Nd–Fe–B thin films **164**: 18
Sun, H.L., see H.Y. Sun **162**: 235
Sun, H.Y., H.L. Sun, Y. Liu, The behaviour of the first kind of dumbbell domains with both static bias field and temperature **162**: 235
Sun, L., see G. Rieger **151**: 193
Sun, X., see J. Yang **166**: 216
Sun, X.K., see Z.-q. Jin **169**: 135
Suponev, N.P., R.M. Grechishkin, M.B. Lyakhova, Yu.E. Pushkar, Angular dependence of coercive field in $(Sm,Zr)(Co,Cu,Fe)_z$ alloys **157/8**: 376
Suran, G., H. Niedoba, M. Naili, O. Acher, V. Meyer, C. Boscher, G. Perrin, Magnetic properties of CoFeZr amorphous thin films **157/8**: 223
Suran, G., see J.F. Calleja **152**: 17
Suresh Babu, V., see G. Srinivasan **168**: 1
Sürig, C., K.A. Hempel, Magnetization processes and ferromagnetic resonance of Hi-8 recording media **155**: 289
Sürig, C., K.A. Hempel, Ch. Sauer, Influence of stoichiometry on hexaferrite structure **157/8**: 268
Suryawanshi, S.S., see S.V. Kakatkar **159**: 361
Suski, W., F.G. Vagizov, K. Wochowski, H. Drulis, T. Mydlarz, Magnetic properties and ^{57}Fe Mössbauer effect of uranium pseudoternaries with the $ThMn_{12}$-type structure **154**: 207
Suski, W., see J.J. Wysłocki **162**: 239
Süss, F., see A. Paintner **154**: 107
Süss, F., see S. Krompiewski **164**: L263
Sussiau, M., F. Nguyen Van Dau, P. Galtier, A. Encinas, A. Schuhl, Bicrystalline magnetic lateral superlattices **165**: 1
Sussiau, M., see J.L. Duvail **151**: 324
Suzuki, H., P.R. Bissell, R.W. Chantrell, N. Kodama, In-plane time-dependent magnetisation and magnetic interactions of Co–Cr–Ta thin films **155**: 196
Suzuki, S., see K. Koyama **161**: 118
Suzuki, Y., T. Katayama, K. Takanashi, R. Schreiber, P. Grünberg, K. Tanaka, The magneto-optical effect of Cr(001) wedged ultrathin films grown on Fe(001) **165**: 134
Suzuki, Y., C. Chappert, P. Bruno, P. Veillet, Simple model for the magneto-optical Kerr diffraction of a regular array of magnetic dots **165**: 516
Suzuki, Y., see T. Katayama **156**: 158
Suzuki, Y., see T. Katayama **156**: 171
Suzuki, Y., see H. Takeshita **165**: 38
Svalov, A.V., see V.O. Vas'kovskij **156**: 291
Svalov, A.V., see V.O. Vas'kovskij **157/8**: 285
Švec, P., see P. Butvin **157/8**: 189
Švec, P., see V. Hašlar **160**: 257
Švec, P., see O. Heczko **160**: 259
Švec, T., see O. Duša **154**: 54
Švec, T., see J. Kováč **157/8**: 197
Švec, T., see P. Kollár **157/8**: 213
Svechkarev, I.V., see G.E. Grechnev **157/8**: 677
Svechkarev, I.V., see G.E. Grechnev **157/8**: 702
Svechkarev, I.V., see G.E. Grechnev **157/8**: 711
Svedlindh, P., T. Jonsson, J.L. García-Palacios, Intra-potential-well contribution to the AC susceptibility of a noninteracting nano-sized magnetic particle system **169**: 323
Svedlindh, P., see T. Jonsson **168**: 269
Sviderski, A.E., see N.V. Baranov **157/8**: 635
Svoboda, P., see P. Javorský **164**: 183
Svoboda, P., see P. Javorský **166**: 133
Swagten, H.J.M., G.J. Strijkers, M.M.H. Willekens, W.J.M. de Jonge, Analysis of scattering lengths in Co/Cu spin-valves using a Ru barrier **156**: 329
Swainson, I.P., see J.C. Woolley **162**: 347
Swainson, I.P., see Er. Girt **163**: L251
Swainson, I.P., see J.C. Woolley **164**: 154
Swan, J.-P., O. Walti, Simplified spectrum characterization of soft magnetic materials under PWM excitation **160**: 27
Swan, J.-P., O. Walti, Impact of asymmetrical induction waves on the behaviour of soft magnetic materials **160**: 29
Swan, J.-P., O. Walti, T. Belgrand, Influence of PWM waveform parameters on the breakdown of harmonic losses in electrical steels **160**: 31
Świerczek, J., J. Zbroszczyk, S. Szymura, B. Wysłocki, Influence of annealing on the magnetic properties of Co-based amorphous alloys **160**: 295
Swinnen, B., J. Dekoster, J. Meersschaut, S. Demuynck, S. Cottenier, M. Rots, A perturbed angular correlation study of Fe/Co multilayers on $(1\bar{1}0)$-GaAs **156**: 71
Swinnen, B., see S. Demuynck **165**: 462
Swirkowicz, R., Spin waves in thin films with various profiles of the magnetic moment **163**: 70
Sy, H.K., F. Chen, Magnetostatic modes in a two-component magnetic superlattice using recurrence relations **152**: L282
Synjushko, V.G., see I.D. Shcherba **157/8**: 688
Synogach, V.T., see V.S. Gornakov **153**: 320
Syr'ev, N., see E. Gan'shina **165**: 346
Szabó, I., see É. Kisdi-Koszó **160**: 333
Szabó, L., see S. Németh **160**: 183
Szabó, P., see M. Mihalik **157/8**: 637
Szade, J., Magnetism of $(Gd_{1-x}Y_x)_2In$ **170**: 228

Szajek, A., A. Kowalczyk, J. Baszyński, A. Jezierski, T. Mydlarz, The magnetic properties of the Laves-phase system $Dy(Co_{1-x}Al_x)_2$ **157/8**: 723
Szajek, A., see A. Kowalczyk **152**:L279
Szajek, A., see A. Kowalczyk **166**: 237
Szczygłowski, J., see G. Markowski **160**: 215
Szmaja, W., K. Polański, K. Dolecki, The temperature dependence of magnetic domain structure in cobalt monocrystals studied by SEM **151**: 249
Szmaja, W., The thickness dependence of the magnetic domain structure in cobalt monocrystals studied by SEM **153**: 215
Szpunar, J.A., see Y. Hayakawa **160**: 143
Szpunar, J.A., see M. Birsan **164**: 300
Szunyogh, L., B. Újfalussy, P. Bruno, P. Weinberger, Anomalous perpendicular magnetic anisotropy in a Co monolayer on Au(111) **165**: 254
Szunyogh, L., see B. Újfalussy **156**: 255
Szymański, B., J. Dubowik, F. Stobiecki, H. Rohrmann, K. Roell, Changes in magnetic properties of Ni/Zr multilayers induced by low-temperature annealing **160**: 351
Szymański, B., see J. Baszyński **156**: 79
Szymański, B., see K. Chrzumnicka **160**: 349
Szymański, K., see D. Satuła **151**: 211
Szymański, K., see D. Satuła **169**: 240
Szymczak, H., see R. Szymczak **157/8**: 667
Szymczak, H., see R. Szymczak **157/8**: 706
Szymczak, H., see A.R. Harutyunyan **162**: 338
Szymczak, H., see M. Baran **166**: 124
Szymczak, H., see I.O. Troyanchuk **168**: 309
Szymczak, H., see L. Gładczuk **168**: 316
Szymczak, R., H. Szymczak, M. Baran, R.Z. Levitin, B.V. Mill, Low temperature magnetization of $R_2Cu_2O_5$ single crystals **157/8**: 667
Szymczak, R., H. Szymczak, L. Gladczuk, M. Baran, Anisotropic magnetic and superconducting properties of $ErNi_2B_2C$ single crystals **157/8**: 706
Szymczak, R., see A.R. Harutyunyan **162**: 338
Szymczak, R., see M. Baran **166**: 124
Szymura, S., see J. Zbroszczyk **160**: 279
Szymura, S., see J. Zbroszczyk **160**: 281
Szymura, S., see J. Świerczek **160**: 295
Szytuła, A., M. Kolenda, V.H. Tran, R. Troć, F. Bourée, T. Roisnel, Crystal and magnetic structure of UCuSn **153**:L255
Szytuła, A., B. Penc, M. Kolenda, J. Leciejewicz, N. Stüsser, A. Zygmunt, Antiferromagnetic ordering in RPtSn (R = Dy, Ho, Er) compounds **153**: 273
Szytuła, A., M. Kolenda, J. Leciejewicz, N. Stüsser, Non-collinear antiferromagnetic structure of hexagonal TbPtSn **164**: 377
Szytuła, A., see R. Troć **151**: 102
Szytuła, A., see A. Zygmunt **161**: 127
Szytuła, A., see T. Jaworska-Gołąb **164**: 371
Szytuła, A., see R. Duraj **166**: 207
Szytuła, A., see S. Baran **170**: 143

Tagawa, I., A. Takeo, Y. Nakamura, Numerical analysis of noise and interparticle interaction in perpendicular magnetic recording media **155**: 341
Tagaya, K., ESR study of Gd_2BaCuO_5 **161**: 143
Tagliaferri, A., see S. De Rossi **157/8**: 287
Tai, L.-C., see G. Youhui **152**: 379
Tai, L.T., see F.E. Kayzel **157/8**: 409
Tailhades, P., see L. Bouet **153**: 389
Tailhades, P., see L. Bouet **155**: 373
Takabatake, T., see T. Hiraoka **153**: 124
Takada, S., T. Yasuda, T. Sasaki, Magnetizing properties of an oriented Si–Fe sheet core in biased magnetizing states at power frequencies **157/8**: 455
Takada, S., T. Sasaki, Influence of magnetization pause on the magnetic properties of an electrical iron sheet **160**: 33
Takahara, H., see K. Matsubara **160**: 41
Takahashi, H., see H. Nakamura **157/8**: 657
Takahashi, M., see Y. Takeda **152**: 243
Takahashi, M., see S. Kawakita **155**: 172
Takahashi, M., see J. Nakai **155**: 234
Takahashi, M., see A. Kikuchi **155**: 238
Takahashi, M., see T. Shimatsu **155**: 242
Takahashi, M., see T. Shimatsu **155**: 246
Takahashi, M., see H. Shoji **162**: 202
Takahashi, N., Y. Suga, H. Kobayashi, Recent developments in grain-oriented silicon-steel **160**: 98
Takahashi, N., see Y. Yoshitomi **160**: 123
Takahashi, N., see K. Matsubara **160**: 185
Takahashi, S., see X.G. Li **170**: 339
Takamatsu, M., see T. Bitoh **154**: 59
Takamiya, T., M. Komatubara, Y. Hayakawa, T. Kan, Influence of heat treatment before secondary recrystallization on magnetic properties of 3% Si grain-oriented steel containing Sb **160**: 131
Takanashi, K., R. Schreiber, I. Mertig, P. Grünberg, Interlayer exchange coupling of Fe across CuAu alloys **156**: 237
Takanashi, K., see S. Mitani **156**: 7
Takanashi, K., see G. Oomi **156**: 402
Takanashi, K., see T. Sugawara **159**: 95
Takanashi, K., see Y. Suzuki **165**: 134
Takano, N., see M. Kobayashi **166**: 329
Takano, O., see H. Matsuda **155**: 250
Takashima, H., see O. Kitakami **164**: 43
Takasu, I., A. Yanagitani, H. Matsuda, Improvement of the sintering process in a Sendust alloy powder used as a magnetic recording head material **163**: 397
Takasu, I., see H. Matsuda **155**: 250
Takatori, S., see K. Asano **155**: 107
Takeda, T., see T. Kawana **155**: 273

Takeda, Y., T. Umezawa, K. Chiba, H. Shoji, M. Takahashi, Magnetic and magneto-optical properties of CoPtM (M = Re, Ru) alloy films for a new magneto-optical recording material **152**: 243
Takehana, K., see G. Kido **157/8**: 550
Takele, S., see J. Ayres de Campos **164**: 305
Takeo, A., see I. Tagawa **155**: 341
Takeshita, H., Y. Suzuki, H. Akinaga, W. Mizutani, K. Ando, T. Katayama, A. Itoh, K. Tanaka, Magnetization process of a nanometer-scale cobalt dots array formed on a reconstructed Au(111) surface **165**: 38
Takeuchi, A.Y., see C.A. Samudio **167**: 109
Takeya, H., K. Kadowaki, K. Hirata, T. Hirano, K. Togano, Growth of YNi_2B_2C single crystals and their superconducting properties **157/8**: 611
Tako, K.M., M.A. Wongsam, R.W. Chantrell, Numerical simulation of 2D thin films using a finite element method **155**: 40
Talik, E., T. Mydlarz, A. Gilewski, Magnetization of Er_3Ni single crystals **157/8**: 405
Tamine, M., Calculations of surface magnon dispersion by means of the matching procedure **153**: 366
Tamine, M., J.M. Greneche, Calculations of spin waves in an infinite cubic frustrated antiferromagnet **159**: 211
Tamine, M., Calculations of the soft mode of magnons on a (001) surface for a semi-infinite cubic frustrated antiferromagnet **163**: 137
Tan, B., D.J. Mapps, G. Pan, P. Robinson, A new servo method using servo layer and transverse MR head for submicron track servo on hard computer disks **155**: 345
Tan, J., Y.-F. Gao, G.-D. Liu, C.-L. Zhang, T. Liu, R.-Z. Ma, An investigation of the magnetic properties and structure of nanocrystalline Fe–P–C–Mo–Cu–Si alloys **164**: 211
Tanahashi, K., Y. Hosoe, M. Futamoto, Magnetic anisotropy and microstructure of obliquely evaporated Co/Cr thin films **153**: 265
Tanahashi, K., see K. Yamanaka **152**: 411
Tanaka, A., J.W. Tucker, T. Idogaki, The susceptibility of anisotropic Heisenberg alternating- and random-bond chains by a density matrix product approximation **154**: 231
Tanaka, H., see T. Hiraoka **153**: 124
Tanaka, I., see Yu.V. Bugoslavsky **157/8**: 671
Tanaka, K., Y. Nakahara, K. Hirao, N. Soga, Preparation and magnetic properties of glass-ceramics containing magnetite microcrystals in calcium iron aluminoborate system **168**: 203
Tanaka, K., see H. Takeshita **165**: 38
Tanaka, K., see Y. Suzuki **165**: 134
Tanaka, K., see W. Van Roy **165**: 149
Tanaka, M., C.J. Palmstrøm, M. Tsuda, T. Nishinaga, Epitaxial semimetal (ErAs)/semiconductor (III–V) heterostructures: negative differential resistance in novel resonant tunneling structures with an ErAs quantum well **156**: 276
Tanaka, M., J.P. Harbison, G.M. Rothberg, MnAs/NiAs magnetic multilayers on GaAs grown by molecular beam epitaxy **156**: 306
Tanaka, O., see Y. Yoshitomi **160**: 123
Tanaka, S., see S. Nakagawa **155**: 231
Tanaka, Y., N. Kimura, K. Hono, K. Yasuda, T. Sakurai, Microstructures and magnetic properties of Fe–Pt permanent magnets **170**: 289
Tanaka, Y., see J. Zbroszczyk **160**: 141
Tang, L., see D.E. Laughlin **155**: 146
Tang, L., see T. Pan **155**: 309
Tang, N., Z.G. Zhao, K.H.J. Buschow, F.R. de Boer, The dysprosium–transition-metal interaction in $Dy(Co,Ni)_{10}Si_2$ compounds **157/8**: 397
Tang, N., see Q.A. Li **157/8**: 399
Tang, N., see N. Plugaru **157/8**: 647
Tang, N., see H. Pan **159**: 352
Tang, N., see J.L. Wang **159**: 357
Tang, N., see H. Pan **161**: 177
Tang, N., see H. Pan **163**: 221
Tang, N., see H. Pan **164**: 197
Tang, N., see J.L. Wang **166**: 355
Tang, N., see Y.-g. Wang **167**: 237
Tang, N., see H. Pan **170**: 179
Tang, S.L., C.H. Wu, B.W. Wang, Y.C. Chuang, X.M. Jin, Q. Li, Y.L. Zhang, J.Y. Li, Magnetostriction of $Dy_{0.6}Tb_{0.3}Pr_{0.1}(Fe_{0.95}Mn_{0.05})_x$ alloys ($1.80 \leq x \leq 1.95$) **164**: 215
Tang, S.L., see B.W. Wang **170**: 335
Tang, X., G.-L. Chen, F. Sequeda, D. Chen, Temperature and seed layer effects on the magnetics of sputtered glass-ceramic disks **155**: 164
Tang, Y.J., H.L. Luo, S.M. Pan, Effective intersublattice exchange coupling in $Tb(Fe_{1-x}T_x)_2$ (T = Mn, Ga) intermetallics from molecular-field theory calculation **152**: 70
Tang, Y.J., Transition-metal substitution effect on magnetic and magnetostrictive properties of $TbFe_2$ compounds **167**: 245
Tanguy, A., D. Binesti, J. Degauque, J. Bras, M. Fagot, A. Chamberod, Vanadium influence in NdFeBAl melt-spun magnets **157/8**: 37
Tanguy, A., J. Bras, J. Degauque, Domain wall pinning in NdFeB melt-spun magnets **161**: 235
Tani, Y., see T. Nakata **160**: 119
Tankeyev, A.P., see N.G. Bebenin **165**: 468
Tanner, B.K., see H. Laidler **154**: 165
Tanner, B.K., see H. Laidler **156**: 332
Tanner, B.K., see I. Pape **156**: 373
Tao, R., see L. Zhou **166**: 253
Tappert, J., F. Klose, Ch. Rehm, W.S. Kim, R.A. Brand, H. Maletta, W. Keune, Neutron reflectivity on Tb/Fe multilayers **156**: 58

Tappert, J., F. Klose, Ch. Rehm, W.S. Kim, R.A. Brand, H. Maletta, W. Keune, The magnetic texture of Tb/Fe multilayers **157/8**: 317

Tappert, J., F. Klose, Ch. Rehm, W.S. Kim, R.A. Brand, H. Maletta, W. Keune, Erratum to: The magnetic texture of Tb/Fe multilayers **164**: 261

Tappert, J., see W.S. Kim **156**: 191

Tappert, J., see T. Ruckert **165**: 411

Taranitchev, V.E., see I.B. Kekalo **157/8**: 181

Tarasenko, S.V., see A.L. Sukstanskii **164**: 105

Tarasenko, T., see V. Doroshev **157/8**: 669

Tari, A., see R. Kuentzler **162**: 314

Tari, A., see S.W. Zochowski **164**: 147

Tarnawski, Z., X.Z. Wang, N.-T.H. Kim-Ngan, R.J. Radwański, J.J.M. Franse, Specific heat of $REBaSrCu_3O_7$ compounds (R = Nd, Sm, Dy, Er) **157/8**: 663

Tarnóczi, T., see I. Bakonyi **156**: 347

Tatara, G., see H. Yamazaki **156**: 135

Tate, A., see S. Misawa **157/8**: 617

Tatnall, C.J., R.J. Pollard, P.J. Grundy, Microstructure and magnetic properties of highly oriented Co/Pt multilayers sputter-deposited on (111) silicon **156**: 61

Tatnall, C.J., J.P. Schille, P.J. Grundy, D.G. Lord, A magnetic study of Co/Pt multilayer thin films using magnetic X-ray circular dichroism (MXCD) **165**: 391

Tatnall, C.J., see R. Atkinson **162**: 131

Tattam, C., A.J. Williams, J.N. Hay, I.R. Harris, S.F. Tedstone, M.M. Ashraf, The corrosion behaviour of uncoated bonded Nd–Fe–B magnets in humid environments **152**:L275

Tattam, C., A.J. Williams, J.N. Hay, I.R. Harris, S.F. Tedstone, M.M. Ashraf, Improvement in the mechanical properties of PTFE bonded Nd–Fe–B magnets by heat treatment **154**: 328

Taubert, J., R. Hergt, R. Müller, C. Ulbrich, W. Schüppel, H.G. Schmidt, P. Görnert, Phase separation in Ba-ferrite glass ceramics investigated by Faraday microscopy **168**: 187

Tedstone, S.F., see C. Tattam **152**:L275

Tedstone, S.F., see C. Tattam **154**: 328

Teggart, B., see P. Papakonstantinou **163**: 378

Teh, C.T., H.L. Huang, V.L. Sobolev, Azimuthal angle dependence of the structure and energy of domain walls **155**: 43

Teillet, J., see A. Fnidiki **156**: 41

Teillet, J., see F. Richomme **156**: 181

Teillet, J., see F. Richomme **156**: 195

Teillet, J., see G. Ravach **157/8**: 173

Teillet, J., see A. Fnidiki **165**: 405

Teixeira, S.R., see D.H. Mosca **156**: 391

Tejada, J., see F. Luis **157/8**: 266

Tejada, J., see R.H. Yu **164**: 99

Tejedor, M., B. Hernando, M.L. Sánchez, M. Vázquez, M. Knobel, Field and frequency dependence of the magneto-impedance in Co-rich amorphous ribbon **152**: 191

Tejedor, M., B. Hernando, M.L. Sánchez, A. García-Arribas, Influence of induced anisotropy on magneto-impedance in Co-rich metallic glasses **157/8**: 141

Tejedor, M., J.A. García, J. Carrizo, Torque measurements of anisotropy in $Co_{66}Si_{15}B_{14}Fe_4Ni_1$ amorphous ribbons **157/8**: 179

Tejedor, M., J.A. García, J. Carrizo, Variation of the in-plane magnetic anisotropy along the width of amorphous magnetic ribbons **160**: 309

Tejedor, M., B. Hernando, M.L. Sánchez, V.M. Prida, The frequency dependence of permeability in $Co_{66.5}Fe_{3.5}Si_{12}B_{18}$ metallic glasses **160**: 311

Tekielak, M., see R. Jabłoński **160**: 367

Tellería, I., see L. Fernández Barquín **160**: 297

Téllez-Blanco, J.C., X.C. Kou, R. Grössinger, Magnetocrystalline anisotropy of $Y_3Fe_{27.4}Ti_{1.6}$ **164**: L1

Tellgren, R., see V. Baron **169**: 271

Temst, K., M.J. Van Bael, D.G. de Groot, N.J. Koeman, R.P. Griessen, B. Wuyts, C. Van Haesendonck, Y. Bruynseraede, Atomic force microscopy and X-ray diffraction study of surface and interface roughness in Nb/Cu multilayers **156**: 109

Temst, K., see G. Gladyszewski **156**: 381

Terakura, K., see T. Asada **157/8**: 343

Teraoka, Y., M. Muramatsu, Time evolution of the concentration profile in binary multilayers **156**: 413

Terashima, T., see G. Kido **157/8**: 550

Ternovoy, Yr.F., see V.V. Savin **157/8**: 49

Terranova, S.A., see G.C. DeFotis **154**: 83

Tesař, R., see J. Buršík **157/8**: 311

Tessier, M., see R. Krishnan **156**: 167

Tessier, M., see R. Krishnan **159**: 175

Tetean, R., E. Burzo, Magnetic properties of $R_3Co_{11}B_4$ compounds **157/8**: 633

Tezuka, N., see T. Miyazaki **151**: 403

Thamm, S., J. Hesse, A simple plot indicating interactions between single-domain particles **154**: 254

Thamm, S., see K.G. Efthimiadis **162**: 259

Thang, C.V., N.P. Thuy, T.D. Hien, J.J.M. Franse, J.H.P. Colpa, P.E. Brommer, E. Brück, Magnetocrystalline anisotropy and exchange interaction of Single Crystalline RCo_4M (R: Y, Gd, Ho; M: Al, B) **157/8**: 643

Thang, C.V., J. Stanek, P.E. Brommer, N.M. Hong, J.J.M. Franse, N.P. Thuy, Magnetocrystalline anisotropy of $Y_{n+1}(Co_{1-x}Fe_x)_{3n+5}B_{2n}$, $n = 2, 3$ **157/8**: 645

Theis-Bröhl, K., K.A. Ritley, C.P. Flynn, J.E. Van Nostrand, D.G. Cahill, K. Hamacher, H. Kaiser, J.J. Rhyne, Coexistence of different magnetic phases in Dy/Y superlattices caused by growth induced nanostructures **166**: 27

Theuss, H., see M. Vázquez **164**: 319

Thomas, A.H., R.W. Chantrell, M. El-Hilo, P.W. Haycock, K. O'Grady, Calculation of FMR in interacting fine particle systems **151**: 54
Thomas, G., see J. Bernardi **157/8**: 153
Thomas, J.W., see A.P. Warren **155**: 117
Thomas, L., see W. Wernsdorfer **151**: 38
Thomas, L., see V. Dupuis **165**: 42
Thomas, O., S. Labat, L. Barallier, A. Charaï, C. Alfonso, K. Badawi, B. Gilles, A. Marty, Influence of the microstructure on the residual strains in (111) Au/Ni multilayers **156**: 31
Thomas, O., see D. Boursier **165**: 205
Thompson, G.R., see Q.A. Pankhurst **155**: 104
Thompson, J.A., see Q. Shen **152**: 139
Thompson, S.M., see K. O'Grady **156**: 253
Thompson, S.M., see W. Allen **165**: 121
Thompson, S.M., see M. Gester **165**: 323
Thomson, T., P.C. Riedi, C. Morawe, H. Zabel, ^{59}Co NMR investigations of sputtered Co/Cu (100) and (111) multilayers **156**: 89
Thomson, T., see A.J.R. Ives **154**: 301
Thürmer, K., see R. Koch **159**: L11
Thuy, N.P., see L.D. Tung **154**: 96
Thuy, N.P., see C.V. Thang **157/8**: 643
Thuy, N.P., see C.V. Thang **157/8**: 645
Tian, H., J.J.K. Lee, Effect of disk surface contours on head flyability **155**: 329
Tiberto, P., V. Basso, C. Beatrice, G. Bertotti, Hysteresis properties of conventionally annealed and Joule-heated nanocrystalline $Fe_{73.5}Cu_1Nb_3Si_{13.5}B_9$ alloys **160**: 271
Tiberto, P., see P. Allia **157/8**: 319
Tiberto, P., see M. Dahlgren **160**: 247
Tiberto, P., see R.H. Yu **164**: 99
Tiberto, P., see D. Holzer **169**: 303
Tien, C., see H.M. Duh **153**: 379
Tils, P., see M. Loewenhaupt **152**: 10
Timko, M., see M. Mihalik **157/8**: 637
Tishchenko, N.P., see I. Jacyna-Onyszkiewicz **160**: 376
Tishin, A.M., see S.Y. Dan'kov **152**: 208
Tishin, A.M., see N.P. Kolmakova **161**: 245
Tishin, A.M., see Yu.I. Spichkin **161**: 265
Tobise, M., see T. Ishiguro **155**: 256
Tobola, J., M. Bacmann, D. Fruchart, S. Kaprzyk, A. Koumina, S. Niziol, J.-L. Soubeyroux, P. Wolfers, R. Zach, Magnetism of Fe_2P investigated by neutron experiments and band structure calculations **157/8**: 708
Tobola, J., J. Pierre, S. Kaprzyk, R.V. Skolozdra, M.A. Kouacou, Electronic structure and magnetism in Co–Ni Heusler compounds **159**: 192
Todaka, T., see M. Enokizono **160**: 61
Todaka, T., see H. Maeda **160**: 149
Togano, K., see H. Takeya **157/8**: 611
Tokman, I.D., see G.M. Genkin **154**: 133
Tokunaga, T., see T. Tsutaoka **167**: 249
Toliński, T., see J. Baszyński **156**: 79
Toliński, T., see J. Baszyński **160**: 345
Tomáš, I., see L. Půst **157/8**: 355
Tomáš, I., see G. Vértesy **160**: 25
Tomáš, I., see G. Vértesy **164**: 163
Tomašovičova-Hudákova, N., see M. Mihalik **157/8**: 637
Tomey, E., M. Bacmann, D. Fruchart, D. Gignoux, J.L. Soubeyroux, Relationship between the structural and magnetic properties of the series $RFe_{10.5}Mo_{1.5}X_x$ with X = H, C, N and $0 \leq x \leq 1$ **157/8**: 113
Tomey, E., M. Bacmann, D. Fruchart, D. Gignoux, J.L. Soubeyroux, Structural and magnetic properties of $RFe_{10.5}Mo_{1.5}N_x$ compounds (R = rare earth) **157/8**: 115
Tomey, E., see B. García-Landa **157/8**: 21
Tomida, T., see M. Uehara **159**:L304
Tomida, T., see H. Sun **164**: 18
Tomizawa, H., see M. Uehara **159**:L304
Tomka, G.J., B.D. Rainford, P.A.J. de Groot, M. Ciria, R.C.C. Ward, M.R. Wells, Magnetic properties of Ho/Tm superlattices **156**: 431
Tomka, G.J., see J.I. Arnaudas **156**: 421
Tomka, G.J., see Cz. Kapusta **157/8**: 109
Tomkowicz, Z., see P. Fleischhauer **159**: 166
Tomkowicz, Z., see A. Zygmunt **161**: 127
Tomlinson, S.L., A.N. Farley, S.R. Hoon, M.S. Valera, Interactions between soft magnetic samples and MFM tips **157/8**: 557
Tomlinson, S.L., E.W. Hill, Modelling the perturbative effect of MFM tips on soft magnetic thin films **161**: 385
Tomlinson, S.L., see M.S. Valera **157/8**: 555
Tonnerre, J.M., see A. Barbara **156**: 111
Tonnerre, J.M., see A. Déchelette-Barbara **165**: 87
Topacli, C., see Y. Öner **170**: 129
Toriyama, T., see R.Y. Lü **151**: 33
Torres, L., see P. Hernández **157/8**: 123
Tóth, J., see I. Bakonyi **156**: 347
Tóth-Kádár, E., see I. Bakonyi **156**: 347
Totland, K., see B. Heinrich **156**: 215
Tournier, R., see M. Bonvalot **151**: 283
Tournier, R., see P. Courtois **153**: 224
Toussaint, J.C., see D. Givord **159**: 71
Train, C., C. Fermon, C. Chappert, A. Mégy, P. Veillet, P. Beauvillain, Polarized neutron reflection investigation of a layered magnetic order in thick Co layers on Au(111) **156**: 87
Train, C., M.N. Nývlt, B. Bartenlian, P. Beauvillain, V. Mathet, R. Mégy, S. Višňovský, Spectroscopic PMOKE evidence of Au/Co segregation in a $Au_{50}Co_{50}$ cover layer deposited on Co(0001)/Au(111) with perpendicular anisotropy **165**: 417
Train, C., see A. Bounouh **156**: 233
Train, C., see A. Bounouh **165**: 484
Tran, V.H., Z. Zołnierek, F. Bourée, T. Roisnel, Neutron powder-diffraction studies of U_2Ni_2In and U_2Pd_2In **161**: 270

Tran, V.H., A.J. Zaleski, R. Troć, P. de V. du Plessis, Magnetic behaviour of the UCu_xGe_y system by ac magnetic susceptibility measurements **162**: 247
Tran, V.H., see R. Troć **151**: 102
Tran, V.H., see A. Szytuła **153**:L255
Tran, V.H., see F.G. Vagizov **168**: 299
Traverse, A., see S. Andrieu **165**: 185
Travkin, V.D., see A.A. Mukhin **157/8**: 496
Tremblay, G., see S. Cercelaru **160**: 338
Trhlík, M., P. De Moor, K. Mibu, N. Severijns, T. Shinjo, A. Van Geert, L. Vanneste, Perpendicular magnetic anisotropy of Tb magnetic moments in Tb/Fe multilayers **165**: 408
Trhlík, M., see T. Phalet **165**: 234
Trigo, J., see C. Prieto **161**: 31
Trivedi, B.S., see R.G. Kulkarni **159**: 375
Troć, R., V.H. Tran, M. Kolenda, R. Kruk, K. Łątka, A. Szytuła, J. Rossat-Mignod, M. Bonnet, B. Büchner, X-ray and neutron diffraction studies of UPdSn **151**: 102
Troć, R., see A. Szytuła **153**:L255
Troć, R., see G.E. Grechnev **157/8**: 702
Troć, R., see V.H. Tran **162**: 247
Troć, R., see F.G. Vagizov **168**: 299
Troyanchuk, I.O., N.V. Samsonenko, A. Nabialek, H. Szymczak, Magnetic interactions and phase transitions in the Co- and Ni-doped manganites **168**: 309
Troyon, M., see S. Vilain **157/8**: 274
Trygg, J., see O. Hjortstam **156**: 85
Tsakiropoulos, P., see L. Coast-Smith **156**: 17
Tshiev, M., see A. Vedyayev **164**: 91
Tskhadadze, Yu.A., see S.A. Nikitin **157/8**: 387
Tsoukalas, I.A., see I.M. Kyprianidis **161**: 203
Tsoukalas, I.A., see K.G. Efthimiadis **162**: 259
Tsuda, M., see M. Tanaka **156**: 276
Tsunashima, S., M. Jimbo, Y. Imada, K. Komiyama, Spin valves using amorphous magnetic layers **165**: 111
Tsunashima, S., see S. Oikawa **156**: 73
Tsunashima, S., see R. Imada **156**: 367
Tsunashima, S., see M. Jimbo **165**: 304
Tsunashima, S., see M. Jimbo **165**: 308
Tsunashima, S., see S. Oikawa **165**: 394
Tsunshima, S., Magneto-optical applications of magnetic multilayers **156**: 283
Tsutaoka, T., H. Fukuda, T. Tokunaga, H. Kadomatsu, Y. Ito, Magnetic properties of Nd_7Ni_3 single crystals **167**: 249
Tsutsumi, K., P. de Haan, M. Eisenberg, D. Monsma, J.C. Lodder, Giant magnetoresistance in Co/Cu multilayers sputtered with Kr **156**: 327
Tsuzuki, T., see J. Ding **162**: 271
Tsvyashchenko, A.V., see H. Nakamura **168**: 182
Tsybukh, Yu.D., see I.D. Shcherba **157/8**: 688
Tsymbal, E.Yu., see F. Klinkhammer **161**: 49
Tuaillon, J., see V. Dupuis **165**: 42
Tucker, J.W., see T. Idogaki **152**: 311
Tucker, J.W., see T. Idogaki **154**: 221
Tucker, J.W., see A. Tanaka **154**: 231
Tucker, J.W., see L. Hua **155**: 49
Tucker, J.W., see L. Hua **163**: 285
Tugushev, S.N., see Y.P. Sukhorukov **159**: 342
Tumański, S., M. Stabrowski, Magnetovision system: new method of investigating steel sheets **160**: 165
Tumański, S., see J. Kaleta **160**: 199
Tung, L.D., K.H.J. Buschow, J.J.M. Franse, N.P. Thuy, Magnetic coupling between rare earth moments in some antiferromagnetic Gd compounds **154**: 96
Turek, I., see J. Kudrnovský **156**: 245
Turek, I., see P. Bruno **165**: 128
Turek, K., J. Chmist, H. Figiel, Compensation of the temperature coefficient of the magnetic flux produced by a Nd–Fe–B magnet in the air gap of a magnetic circuit **157/8**: 65
Turilli, G., G. Asti, Model for initial susceptibility as a function of temperature in the presence of spin reorientation transitions **157/8**: 371
Turilli, G., see F. Licci **164**:L268
Turilli, G., see G. Carlotti **165**: 424
Turilli, G., see F. Licci **170**: 240
Turpanov, I., see I. Edelman **161**: 299
Turpin, G.B., see Y.J. Song **154**: 37
Tyagi, A.K., see U.R.K. Rao **161**: 181

Ubizskii, S.B., A.O. Matkowskii, M. Kuzma, Irradiation-induced effects in yttrium–iron garnet films **157/8**: 279
Uchimi, T., see T. Kawana **155**: 273
Uchiyama, K., I. Ishida, E. Hirota, K. Hamada, A. Okada, Saturation magnetic moments of Co/Cr multilayers **156**: 427
Uchiyama, K., I. Ishida, K. Hamada, E. Hirota, A. Okada, T. Hayashi, Saturation magnetic moments of Co/Mn multilayers **156**: 429
Ueda, Y., N. Hataya, H. Zaman, Magnetoresistance effect of Co/Cu multilayer film produced by electrodeposition method **156**: 350
Ueda, Y., S. Ikeda, S. Hama, A. Yamada, Magnetic properties and magnetoresistance of Fe/Cr multilayer films prepared by vapor deposition and electrodeposition **156**: 353
Uedaira, S., see K. Okamoto **155**: 60
Uehara, M., T. Tomida, H. Tomizawa, S. Hirosawa, Y. Maehara, Magnetic domain structure of anisotropic $Nd_2Fe_{14}B$-based magnets produced via the hydrogenation, decomposition, desorption and recombination (HDDR) process **159**:L304
Uehara, M., see G. Sinha **164**: 345
Uesaka, Y., see K. Yamanaka **152**: 411
Uesaka, Y., see Y. Nakatani **168**: 347
Ufer, H., see G. Chełkowska **157/8**: 719

Újfalussy, B., L. Szunyogh, P. Weinberger, Fully relativistic spin-polarized description of interface exchange coupling for Fe multilayers in Au(100) **156**: 255
Újfalussy, B., see L. Szunyogh **165**: 254
Uji, S., see G. Kido **157/8**: 550
Ulbrich, C., see J. Taubert **168**: 187
Umeda, K., Y. Fujiwara, T. Matsumoto, K. Nakagawa, A. Itoh, Contribution of stress-induced magnetic anisotropy to perpendicular magnetic anisotropy for Co/Pd and Co/Pt multilayers **156**: 75
Umezawa, T., see Y. Takeda **152**: 243
Umino, K., H. Nakajima, K. Shiiki, Self-interaction correction for band structure calculation based on local density approximation of iron nitrides **153**: 323
Unguris, J., see A. Davies **165**: 82
Urban, R., see M. Nývlt **156**: 175
Urban, R., see J.A.C. Bland **156**: 177
Urquhart, K.B., see Z. Celinski **166**: 6
Usadel, K.D., see A. Hucht **156**: 423
Ušák, E., see J. Sláma **157/8**: 463
Ušák, E., see J. Sláma **160**: 203
Usherwood, T.W., G.D.W. Smith, R.A.D. Mackenzie, A computer modelling approach to predicting the long term thermal stability of Co–Pd magnetic multilayers **162**: 383
Uspenskii, Yu.A., see E.T. Kulatov **163**: 331
Ustinov, V.V., M.M. Kirillova, I.D. Lobov, V.M. Maevskii, A.A. Makhnev, V.I. Minin, L.N. Romashev, A.K. Dehl', A.V. Semerikov, E.I. Shreder, Magneto-optical study of the non-collinear magnetic structure of Fe/Cr superlattices **156**: 179
Ustinov, V.V., L.N. Romashev, N.G. Bebenin, V.I. Minin, V.A. Kazantsev, M.A. Milyaev, Giant magnetoresistance and magnetization of Fe/Cr superlattices with non-collinear magnetic ordering and exchange-uniaxial anisotropy **156**: 227
Ustinov, V.V., E.A. Kravtsov, L.N. Romashev, M.A. Miliyaev, Spin-dependent scattering parameters of MBE-grown Fe/Cr multilayers with non-collinear magnetic ordering **156**: 337
Ustinov, V.V., High frequency impedance of magnetic superlattices showing giant magnetoresistance **165**: 125
Ustinov, V.V., see V.I. Okulov **156**: 394
Ustinov, V.V., see K.B. Vlasov **161**: 189
Ustinov, V.V., see N.G. Bebenin **165**: 468
Uvarova, T.G., see V.N. Narozhnyi **157/8**: 675
Uwatoko, Y., see G. Oomi **156**: 402
Uwatoko, Y., see R. Hauser **157/8**: 679
Uzdin, V.M., N.S. Yartseva, Quantum wells in trilayers: dependence of the properties on the thickness of magnetic and nonmagnetic layers **156**: 193
Uzdin, V.M., N.S. Yartseva, Quantum well mechanism for giant magnetoresistance in trilayers **165**: 370
Uzdin, V.M., C. Demangeat, Pinhole defects in Fe/Cr trilayers **165**: 458
Uzdin, V.M., see C. Demangeat **156**: 202

v. Löhneysen, H., Heavy-fermion alloys at a magnetic instability **157/8**: 601
Vagizov, F.G., R. Troč, V.H. Tran, H. Drulis, ^{57}Fe Mössbauer effect in UPdSn **168**: 299
Vagizov, F.G., see W. Suski **154**: 207
Vaidyanathan, S., see D.K. Bhattacharya **166**: 111
Vaingankar, A.S., see B.R. Karche **168**: 292
Vajda, F., E. Della Torre, A vector moving hysteresis model with accommodation **155**: 25
Valassiades, O., see M. Angelakeris **165**: 334
Valeanu, M., N. Plugaru, A. Galateanu, E. Burzo, J. Laforest, Magnetic study of $R_3Fe_{29-x}M_x$, with R = Y,Gd and M = V,Ti **157/8**: 383
Valeanu, M., see N. Plugaru **157/8**: 647
Valentin, F., see L. Ranno **157/8**: 291
Valenzuela, R., M.L. Sánchez, J. Sebastián, M. Vázquez, A. Hernando, Modeling of the magnetoimpedance response in low-magnetostriction amorphous wires **160**: 241
Valenzuela, R., J.T.S. Irvine, Domain wall relaxation frequency and magnetocrystalline anisotropy constant in Ni–Zn ferrites **160**: 386
Valenzuela, R., see P. Quintana **160**: 245
Valenzuela, R., see M.L. Sánchez **163**: 132
Valera, M.S., S.L. Tomlinson, G.P. Heydon, A.N. Farley, S.R. Hoon, L. Zhou, S. McVitie, J.N. Chapman, Magnetic force microscopy of soft magnetic materials **157/8**: 555
Valera, M.S., see S.L. Tomlinson **157/8**: 557
Valkier, M., see A. van der Graaf **165**: 157
Valkier, M., see J. Kohlhepp **165**: 431
Valko, L., see A. Košturiak **153**: 184
Valko, L., see A. Košturiak **169**: 105
Valkovic, Z., Investigations of core noise levels using a dry-type transformer model **160**: 205
Vallêra, A.M., see J. Maia Alves **157/8**: 378
Van Alphen, E.A.M., A.H.J. Colaris, S.K.J. Lenczowski, C. Schönenberger, W.J.M. de Jonge, NMR study of the structural properties of electrodeposited Co/Cu multilayers **156**: 29
Van Bael, M.J., see K. Temst **156**: 109
Van de Veerdonk, R.J.M., see M.A.M. Gijs **151**: 333
Van den Berg, H.A.M., W. Clemens, G. Gieres, G. Rupp, M. Vieth, J. Wecker, S. Zoll, GMR angle detector with an artificial antiferromagnetic subsystem (AAF) **165**: 524
Van den Berg, H.A.M., see S. Zoll **156**: 231
Van den Berg, H.A.M., see S. Zoll **165**: 442
Van den Berg, H.A.M., see N. Persat **165**: 446
Van den Beukel, A., see M. de Jong **152**: 326
Van der Graaf, A., H. Fredrikze, M.Th. Rekveldt, S.E. Stupp, Polarized neutron reflectometry on a two-layer ME tape **155**: 303

Van der Graaf, A., M. Valkier, J. Kohlhepp, F.J.A. den Broeder, Interlayer coupling in Fe/Si multilayers studied by polarized neutron reflectometry **165**: 157
Van der Graaf, A., A.R. Ball, J.C.S. Kools, Magnetic alignment in spin-valve system studied by polarized neutron reflectometry **165**: 479
Van der Graaf, A., see J. Kohlhepp **165**: 431
Van der Heijden, P.A.A., P.J.H. Bloemen, J.M. Gaines, J.T.W.M. van Eemeren, R.M. Wolf, P.J. van der Zaag, W.J.M. de Jonge, Magnetic interface anisotropy of MBE-grown ultra-thin (001) Fe_3O_4 layers **159**: L293
Van der Heijden, P.A.A., see W.F.J. Fontijn **165**: 401
Van der Kraan, R.G.P., see J.F. Lawler **165**: 195
Van der Laan, G., Magnetic dichroism in X-ray absorption spectroscopy **156**: 99
Van der Sluijs, A.J., see H.-J. Drouhin **151**: 417
Van der Zaag, P.J., see P.A.A. van der Heijden **159**: L293
Van der Zaag, P.J., see W.F.J. Fontijn **165**: 401
Van Drent, W.P., M.D. Bijker, J.C. Lodder, The effect of stress and magnetostriction on the anisotropy of CoNi/Pt multilayers **156**: 309
Van Drent, W.P., see Q. Meng **156**: 296
Van Eemeren, J.T.W.M., see P.A.A. van der Heijden **159**: L293
Van Esch, A., see J. De Boeck **156**: 148
Van Est, J.W., see M.A.M. Gijs **165**: 360
Van Gansewinkel, R.M.J., see M.A.M. Gijs **151**: 333
Van Geert, A., see T. Phalet **165**: 234
Van Geert, A., see M. Trhlik **165**: 408
Van Haesendonck, C., see K. Temst **156**: 109
Van Hoof, C., see J. De Boeck **156**: 148
Van Kempen, H., see J.F. Lawler **165**: 195
Van Kempen, H., see J.F. Lawler **165**: 224
Van Kempen, H., see R. Jansen **165**: 258
Van Lier, J., M. Seeger, H. Kronmüller, Magnetic and microstructural properties of melt-spun FeGaSmC permanent magnets **167**: 43
Van Loenen, E.J., see R.H.J. Fastenau **157/8**: 1
Van Nostrand, J.E., see K. Theis-Bröhl **166**: 27
Van Roy, W., H. Akinaga, S. Miyanishi, K. Tanaka, L.H. Kuo, Observation of antiferromagnetic coupling in δ-MnGa/(Mn,Ga,As)/δ-MnGa trilayers **165**: 149
Van Zon, A.M.A., see W. Oepts **165**: 356
Vandamme, L.K.J., see M.A.M. Gijs **165**: 360
Vanneste, L., see T. Phalet **165**: 234
Vanneste, L., see M. Trhlik **165**: 408
Vaqueiro, P., M.A. López-Quintela, J. Rivas, J.M. Greneche, Annealing dependence of magnetic properties in nanostructured particles of yttrium iron garnet prepared by citrate gel process **169**: 56
Varadaraju, U.V., see A. Maignan **168**: L237
Varga, I., see L. Pogány **160**: 189
Varga, L., see L. He **155**: 6
Varga, L.K., É. Kisdi-Koszó, V. Ström, K.V. Rao, Thermomagnetic study of nanophases in Fe-based soft magnetic materials **159**: L321
Varga, L.K., see J. Zbroszczyk **160**: 279
Varga, L.K., see S.N. Kane **167**: 241
Varga, R., see P. Vojtaník **157/8**: 175
Vargas, P., D. Altbir, RKKY interaction between metallic clusters **167**: 161
Varnek, V.A., see S.B. Erenburg **157/8**: 595
Vas'kovskij, V.O., A.V. Svalov, A.A. Ryazantsev, Amorphous gadolinium–cobalt films with in-plane anisotropy for magnetoresistive sandwiches **156**: 291
Vas'kovskij, V.O., A.V. Svalov, Asymmetry of the spin-valve effect in FeNi/Cu/FeNi/FeMn films **157/8**: 285
Vas'kovskij, V.O., see V.N. Lepalovskij **160**: 343
Vasil'ev, A.N., see S. Wirth **167**: L7
Vasilieva, R., see A. Granovsky **161**: 195
Vatskitchev, L., I. Antonov, M. Vatskitcheva, Model of magnetization in thin magnetic films with one domain and two-domain basic structures **170**: 317
Vatskitchev, L., see I. Antonov **151**: 178
Vatskitchev, L., see I. Antonov **169**: 25
Vatskitcheva, M., see I. Antonov **151**: 178
Vatskitcheva, M., see I. Antonov **169**: 25
Vatskitcheva, M., see L. Vatskitchev **170**: 317
Vaudaine, M.H., see S. Young **162**: 38
Vavassori, P., L. Callegaro, E. Puppin, F. Malizia, F. Ronconi, Surface magnetic characterization of FeB amorphous ribbons **157/8**: 171
Vázquez, M., A.P. Zhukov, Magnetic properties of glass-coated amorphous and nanocrystalline microwires **160**: 223
Vázquez, M., C. Gómez-Polo, H. Theuss, H. Kronmüller, Domain structure and magnetization process of bent Fe-rich amorphous wires **164**: 319
Vázquez, M., see A.P. Zhukov **151**: 132
Vázquez, M., see V.V. Maikov **151**: 167
Vázquez, M., see M. Tejedor **152**: 191
Vázquez, M., see A. Zhukov **157/8**: 143
Vázquez, M., see C. Gómez-Polo **160**: 194
Vázquez, M., see R. Valenzuela **160**: 241
Vázquez, M., see M. Knobel **160**: 243
Vázquez, M., see M.L. Sánchez **163**: 132
Vázquez, M., see M. Knobel **169**: 89
Vázquez, M., see A. Zhukov **170**: 323
Vázquez Vázquez, C., see J. Mira **164**: 241
Vedula, R.R., see K.J. Kim **155**: 73
Vedyayev, A., B. Mevel, N. Ryzhanova, M. Tshiev, B. Dieny, A. Chamberod, F. Brouers, Quantum statistical theory of giant magnetoresistance in magnetic heterogeneous alloys **164**: 91
Vedyaev, A., see B. Dieny **151**: 378

Vega, A., S. Bouarab, L.C. Balbás, C. Demangeat, H. Dreyssé, Competition between Co–Cr hybridization and low-coordination effects in the magnetism of a Co monolayer deposited on Cr substrates **165**: 265
Vega, A., see O. Elmouhssine **156**: 199
Veillet, P., see P. Beauvillain **154**: 160
Veillet, P., see C. Train **156**: 87
Veillet, P., see N. Bardou **156**: 139
Veillet, P., see F. Richomme **156**: 181
Veillet, P., see A. Bounouh **156**: 233
Veillet, P., see E. Kolb **156**: 377
Veillet, P., see J. Xu **156**: 379
Veillet, P., see J. Caulet **165**: 349
Veillet, P., see A. Anane **165**: 377
Veillet, P., see A. Bounouh **165**: 484
Veillet, P., see Y. Suzuki **165**: 516
Veitch, R.J., see H.J. Richter **155**: 80
Veitch, R.J., see H.J. Richter **155**: 335
Velázquez, J., see A.P. Zhukov **151**: 132
Velázquez, J., see A. Zhukov **170**: 323
Velicescu, M., W. Fernengel, W. Rodewald, P. Schrey, B. Wall, High-energy sintered Nd–Dy–Fe–B magnets with Co and Cu additions **157/8**: 47
Vélu, E., see E. Kolb **156**: 377
Venkataramani, N., see J. Dash **152**: L1
Venkataramani, N., see N. Sharma **154**: 296
Venkataramani, N., see N. Sharma **166**: 65
Vennéguès, P., see A. Michel **156**: 25
Venturini, G., see J.P. Sanchez **152**: 174
Venus, D., Interpretation of magnetic dichroism in angle-resolved UV photoemission from valence bands **170**: 29
Venus, D., see B. Heinrich **156**: 215
Verbanck, G., see R. Schad **156**: 339
Verbanck, G., see R. Schad **156**: 341
Verbanck, G., see G. Gladyszewski **156**: 381
Verdaguer, M., see B. Siberchicot **157/8**: 417
Vereecke, B., see T. Phalet **165**: 234
Verges, P., see T. Luciński **162**: 29
Verhaegh, P.A., see J.J. de Vries **165**: 435
Verkholyak, T., see O. Derzhko **157/8**: 421
Vernière, A., S. Raymond, J.X. Boucherle, P. Lejay, B. Fåk, J. Flouquet, J.M. Mignot, Magnetic structure and physical properties of the heavy fermion UIr_2Si_2 **153**: 55
Vernière, A., see B. Fåk **154**: 339
Vértesy, G., I. Tomáš, Quantitative empirical correlation between coercivity and uniaxial anisotropy **160**: 25
Vértesy, G., I. Tomáš, L. Pûst, V. Hašlar, L. Kraus, Z. Vértesy, Coercivity contributions and their temperature dependence in stress-annealed amorphous alloys **164**: 163
Vértesy, G., see M. Kisielewski **157/8**: 315
Vértesy, G., see L. Pûst **157/8**: 355
Vértesy, Z., see É. Kisdi-Koszó **160**: 333
Vértesy, Z., see G. Vértesy **164**: 163
Vescovo, E., see C. Carbone **156**: 259
Vettier, C., see B. Fåk **154**: 339
Viala, B., J. Degauque, M. Baricco, E. Ferrara, M. Pasquale, F. Fiorillo, Magnetic and mechanical properties of rapidly solidified Fe–Si 6.5 wt% alloys and their interpretation **160**: 315
Viau, G., see P. Laurent **160**: 63
Vieth, M., see H.A.M. van den Berg **165**: 524
Vijayaraghavan, R., see S. Ramakrishnan **152**: 375
Vilain, S., J. Ebothe, M. Troyon, Surface roughness and composition effects on the magnetic properties of electrodeposited Ni–Co alloys **157/8**: 274
Villers, G., see G.T. Bhandage **166**: 141
Vinai, F., see P. Allia **157/8**: 319
Vinai, F., see R.H. Yu **164**: 99
Vincent, D., S. Neveu, L. Jorat, G. Noyel, Gyromagnetic resonance in ferrofluids made from manganese ferrite or magnetite particles: influence of a constant axial magnetic field **163**: 216
Vincent, E., Y. Yuan, J. Hammann, H. Hurdequint, F. Guevara, Glassy dynamics of nanometric magnetic particles **161**: 209
Vincent, H., see E. Brando **157/8**: 465
Viret, M., see L. Ranno **157/8**: 291
Viret, M., see W. Allen **165**: 121
Virovets, T.V., see L.I. Koroleva **157/8**: 475
Višňovský, Š., see M. Nývlt **156**: 175
Višňovský, Š., see J.A.C. Bland **156**: 177
Višňovský, S., see J. Ferré **165**: 92
Višňovský, S., see C. Train **165**: 417
Visone, C., see G. Miano **160**: 89
Vittori Antisari, M., see D. Fiorani **157/8**: 159
Vittoria, C., see G.D. Howells **155**: 55
Vittoria, C., see R. Karim **167**: 27
Vlasák, G., see P. Butvin **157/8**: 189
Vlasák, G., see Z. Kaczkowski **157/8**: 199
Vlasák, G., see Z. Kaczkowski **160**: 275
Vlasov, K.B., R.I. Zainullina, V.V. Ustinov, Magnetoresistance of multiaxial antiferromagnets **161**: 189
Vodopivec, F., B. Breskvar, Influence of spinodal decomposition on magnetic properties of $Fe_{28}Cr_{16}Co$ **152**: 213
Voegeli, B., A. Blondel, B. Doudin, J.-Ph. Ansermet, Electron transport in multilayered Co/Cu nanowires **151**: 388
Vogel, J., A. Fontaine, V. Cros, F. Petroff, J.-P. Kappler, G. Krill, A. Rogalev, J. Goulon, Palladium magnetism in Pd/Fe multilayers studied by XMCD at the Pd $L_{2,3}$ edges **165**: 96
Vogt, O., see A.L. Cornelius **161**: 169
Vogt, T., see C. Heid **151**: 123
Voiron, J., see L. Driouch **157/8**: 149
Voiron, J., see D. Givord **159**: 71
Voiron, J., see L. Driouch **167**: 47
Voiron, J., see C. Bordel **169**: 350

Vojtaník, P., J. Kravčák, R. Varga, Complex permeability after-effects in an annealed Co-based amorphous alloy **157/8**: 175
Volkov, N.V., see G.S. Patrin **151**: 189
Von Helmolt, R., J. Wecker, K. Samwer, K. Bärner, Transport properties of manganates with giant magnetoresistance **151**: 411
Von Staa, F., K.A. Hempel, H. Artz, Y. Wang, J. Schneider, Magnetic properties of anisotropic Nd–Fe–B powder and magnets **157/8**: 23
Von Staa, F., K.A. Hempel, H. Artz, On the magnetization processes of Nd–Fe–B powders prepared by HDDR **157/8**: 25
Vonbank, M., see Th. Detzel **152**: 287
Voogt, F.C., see W.F.J. Fontijn **165**: 401
Voronina, E.V., see E.P. Yelsukov **166**: 334
Vorotunov, A., see L. Gładczuk **168**: 316
Vuillermoz, P.L., see F. Melquiond **157/8**: 571
Vukadinovic, N., see G. Perrin **157/8**: 289
Vulliet, P., see J.P. Sanchez **152**: 174

Wac-Włodarczyk, A., Selection of core materials for magnetic frequency multipliers **160**: 201
Wada, H., H. Yamaguchi, M. Shiga, Calorimetric study of RMn_2Ge_2 compounds (R = La, Gd, Tb and Dy) **152**: 165
Wada, H., see M. Shiga **151**: 225
Waeckerlé, Th., see F. Ossart **160**: 71
Waeckerlé, Th., see B. Cornut **160**: 102
Waeckerlé, Th., see M. Mekhiche **160**: 125
Wagh, D.K., A. Avashia, On the viscosity of a magnetic fluid **153**: 359
Wagner, F.E., see S.M. Dubiel **157/8**: 653
Wagner, K., H. Lütgemeier, W. Zinn, R. Gerhardt, H. Dötsch, M. Kucera, J. Englich, K. Nitsch, P. Novák, Influence of impurities and defects on the nuclear relaxation in YIG films **161**: 57
Wagner, K., N. Weber, H.J. Elmers, U. Gradmann, Magnetization of free Fe(110) surfaces from thin film magnetometry **167**: 21
Wakiyama, T., see T. Shimatsu **155**: 242
Wakiyama, T., see T. Shimatsu **155**: 246
Waliszewski, J., see D. Satuła **151**: 211
Waliszewski, J., see D. Satuła **169**: 240
Walker, M.J., see A.J.R. Ives **154**: 301
Walker, M.J., see J. Xu **156**: 69
Walker, M.J., see E. Kolb **156**: 377
Wall, B., see W. Fernengel **157/8**: 19
Wall, B., see M. Velicescu **157/8**: 47
Wallace, W.E., see M.Q. Huang **151**: 150
Walmsley, N.S., A. Hart, D.A. Parker, R.W. Chantrell, J.J. Miles, A simulation of the role of physical structure on feature sizes in exchange coupled longitudinal thin film **155**: 28
Walmsley, N.S., A. Hart, D.A. Parker, C. Dean, R.W. Chantrell, Comparison of the effects of regular and irregular physical structure on the magnetic microstructure of longitudinal thin films **170**: 81
Walti, O., see J.-P. Swan **160**: 27
Walti, O., see J.-P. Swan **160**: 29
Walti, O., see J.-P. Swan **160**: 31
Wang, B.W., C.H. Wu, X.M. Jin, Y.C. Chuang, X.M. Meng, Q. Li, Y.L. Zhang, J.Y. Li, Structure and magnetostriction of $R(Fe_{0.95}Al_{0.05})_x$ alloys (R = $Dy_{0.65}Tb_{0.25}Pr_{0.1}$, $1.8 \leq x \leq 1.95$) **162**: 343
Wang, B.W., Z.D. Zhang, S.L. Tang, X.M. Jin, X.G. Zhao, Structure and magnetostriction of RFe_x ($1.6 \leq x \leq 2.0$) and $R(Fe_{1-y}Ti_y)_{1.8}$ ($y \leq 0.2$) alloys (R = $Dy_{0.65}Tb_{0.25}Pr_{0.1}$) **170**: 335
Wang, B.W., see S.L. Tang **164**: 215
Wang, C.D., see P. Wu **168**: 43
Wang, C.S., see H. Pan **170**: 331
Wang, D., see T. Zhou **164**: 219
Wang, D.-s., see X. Wang **159**: 337
Wang, D.-s., see Y. Zhou **167**: 136
Wang, F.-w., see B.-g. Shen **151**: 111
Wang, F.-w., see B.-g. Shen **153**: 332
Wang, G., see C.-L. Lin **155**: 168
Wang, H., see B.X. Gu **168**: 31
Wang, J., see N. Plugaru **157/8**: 647
Wang, J., see H. Pan **159**: 352
Wang, J., see H. Pan **164**: 197
Wang, J., see T. Zhou **164**: 219
Wang, J.L., N. Tang, W.Z. Li, W.D. Qin, H.Y. Pan, B. Nasunjilegal, F.M. Yang, F.R. de Boer, High-field magnetic properties of $Ho_2Fe_{15}M_2$ compounds (M = Al, Ga, Ni and Si) **159**: 357
Wang, J.L., N. Tang, R.W. Zhao, F.M. Yang, F.R. de Boer, Magnetic properties of $Y(Fe,M)_{10}Si_2$ compounds (M = Fe, Ni, Co and Mn) **166**: 355
Wang, Q., see H. Pan **159**: 352
Wang, Q., see H. Pan **161**: 177
Wang, Q., see H. Pan **163**: 221
Wang, Q., see H. Pan **164**: 197
Wang, Q., see J. Yang **166**: 216
Wang, Q., see Y.-g. Wang **167**: 237
Wang, W.-N., G.-X. Cheng, Y.-W. Du, The interface magnetization of ultrafine Ni particles coated by NiO and Ni/NiO multilayers **153**: 11
Wang, X., D.-s. Wang, R. Wu, A.J. Freeman, Validity of the force theorem for magnetocrystalline anisotropy **159**: 337
Wang, X., see Z. Chen **162**: 307
Wang, X., see A. Yan **169**: 193
Wang, X.Z., see Z. Tarnawski **157/8**: 663
Wang, Y., see F. von Staa **157/8**: 23
Wang, Y.-g., F. Yang, N. Tang, C. Chen, Q. Wang, Structure and magnetic properties of $R_2Fe_{17-x}Mn_x$ compounds (R = Tb, Y) **167**: 237
Wang, Y.Z., see W.Y. Lai **155**: 358
Wang, Z., Y. Nakamura, A new type of GMR memory **155**: 161

Wang, Z., Y. Nakamura, The magnetization reversal mechanism in soft magnetic film **155**: 187
Wang, Z., Y. Nakamura, A spin-valve memory cell **159**: 233
Wang, Z.-g., see Z.-q. Jin **169**: 135
Wanklyn, B.M., see D. Neogy **154**: 127
Warczewski, J., see J. Krok-Kowalski **166**: 172
Warczewski, J., see J. Krok-Kowalski **168**: 129
Ward, R.C.C., see J.P. Goff **156**: 263
Ward, R.C.C., see J.I. Arnaudas **156**: 421
Ward, R.C.C., see G.J. Tomka **156**: 431
Ward, R.C.C., see A. del Moral **157/8**: 539
Ward-Close, C.M., see L. Coast-Smith **156**: 17
Warren, A.P., C. Dean, P.R. Bissell, R.W. Chantrell, J.A. Gotaas, Noise time series simulation for a thin film recording medium **155**: 19
Warren, A.P., P.C. Hobby, G.N. Coverdale, R.W. Chantrell, R.G. Gilson, J.W. Thomas, Computer simulation of the orientation dynamics of a 2D array of fine magnetic particles in an opposed-poles orientation magnet **155**: 117
Warren, A.P., P.R. Bissell, J.A. Gotaas, R.G. Gilson, C. Dean, Noise studies of spatial chaos in magnetic recording media **159**: 381
Wassermann, E.F., see G. Dumpich **161**: 37
Watanabe, I., see Y. Sano **155**: 212
Watanabe, M.M., I.C. Oppenheim, F.P. Missell, Effect of the Cr underlayer on evaporated CoCr films **159**: 282
Watkins, C., see G.D. Howells **155**: 55
Watts, B.E., see V.V. Maikov **151**: 167
Watts, B.E., see S. Díaz **151**: 173
Weber, M., see R. Koch **159**: L11
Weber, N., see K. Wagner **167**: 21
Weber, W., see H.C. Siegmann **151**: L8
Wecker, J., see R. von Helmolt **151**: 411
Wecker, J., see A. Handstein **157/8**: 15
Wecker, J., see S. Parhofer **163**: 32
Wecker, J., see H.A.M. van den Berg **165**: 524
Wegrowe, J.-E., B. Barbara, V.S. Amaral, J.B. Sousa, Unusual slow magnetic relaxation on a $SmCo_2/GdCo_2$ domain wall junction at low temperature **161**: 133
Wei, C.T., see S.U. Jen **164**: 49
Weidenfeller, B., W. Riehemann, Domain refinement and domain wall activation of surface treated Fe–Si sheets **160**: 136
Weidenfeller, B., W. Riehemann, Surface treatment of Finemet for reduction of power loss **160**: 287
Weinberger, P., see J. Kudrnovský **156**: 245
Weinberger, P., see B. Újfalussy **156**: 255
Weinberger, P., see L. Szunyogh **165**: 254
Weingart, F., G. Brodt, A. Lehner, AB-block copolymers as dispersants in magnetic coating formulations **155**: 77
Weinstock, H., see F. Melquiond **157/8**: 571
Weiser, B., A. Hasenzagl, T. Booth, H. Pfützner, Mechanisms of noise generation of model transformer cores **160**: 207
Weiser, B., see A. Ilo **160**: 38
Weiser, B., see A. Hasenzagl **160**: 55
Weiser, B., see A. Hasenzagl **160**: 180
Weissman, M.B., see C.D. Keener **152**: 317
Weitzel, H., see C. Heid **151**: 123
Weizenecker, J., H. Winter, H.J. Mattausch, E. Dormann, ^{169}Tm nuclear magnetic resonance and magnetic susceptibility of the singlet ground state compound thulium dideuteride **152**: 183
Weller, D., see H.C. Siegmann **151**: L8
Weller, D., see A. Bounouh **156**: 233
Wells, M.R., see J.P. Goff **156**: 263
Wells, M.R., see J.I. Arnaudas **156**: 421
Wells, M.R., see G.J. Tomka **156**: 431
Wells, M.R., see A. del Moral **157/8**: 539
Wenda, J., see A. Miktus **160**: 341
Wendhausen, P.A.P., see D. Eckert **157/8**: 93
Wendhausen, P.A.P., see N.M. Dempsey **157/8**: 99
Wendhausen, P.A.P., see K.-H. Müller **157/8**: 117
Wenzel, W., see J. Richter **156**: 433
Wenzel, W., see J. Richter **157/8**: 336
Werckmann, J., see H. Lefakis **154**: 17
Werner, D., see J.M. Martin **159**: 223
Wernsdorfer, W., K. Hasselbach, A. Benoit, G. Cernicchiaro, D. Mailly, B. Barbara, L. Thomas, Measurement of the dynamics of the magnetization reversal in individual single-domain Co particles **151**: 38
Wernsdorfer, W., see S. Mangin **165**: 13
Wernsdorfer, W., see V. Dupuis **165**: 42
Wetzel, P., see S. Hong **165**: 212
Wexler, D., see A.K. Shaikh **152**: 345
Weyman, P., see Y. Yu **166**: 290
Weyman, P., see T.W. Krause **169**: 207
Whitaker, M.A.B., see Y.T. Millev **152**: 293
White, R.L., see R.M.H. New **155**: 140
White, R.L., see T.J. Minvielle **168**: 243
Whiting, J.S.S., see M. Jackson **170**: 22
Whitton, E.D., see M.J. Hall **156**: 119
Wider, H., see M. Albrecht **170**: 67
Wiedmann, M., see J.L. Duvail **151**: 324
Wierenga, H., see D. Raasch **168**: 336
Wierman, K.W., R.D. Kirby, Long-range order and magnetic properties of Mn_xPt_{1-x} thin films **154**: 12
Wierzbicki, M., J. Kociński, Light propagation in the helical antiferromagnetic phase of *x*-MnSe/ZnTe superlattice **156**: 184
Wiesinger, G., see Cz. Kapusta **157/8**: 109
Wiesinger, G., see A. Leithe-Jasper **170**: 189
Wigen, P., L. Zhou, R. Stamps, K. Ounadjela, M. Hehn, J. Gregg, Compositional control of interlayer magnetic coupling in Co/Ru/Co(Ag) and Co/Cu/Co(Ag) trilayer films **165**: 465

Wigen, P.E., see R.E. Bornfreund **151**: 181
Wigen, P.E., see Y.J. Song **154**: 37
Wigen, P., see K. Ounadjela **156**: 267
Wilamowski, Z., W. Jantsch, G. Springholz, ESR investigations of interfaces between antiferromagnets and semiconductors **156**: 207
Wildberger, K., P. Lang, L. Nordström, R. Zeller, P.H. Dederichs, Ab initio calculations of the interlayer exchange coupling of Fe-/Co-/Ni-layers in Cu(100) **165**: 454
Wildberger, K., see P. Lang **156**: 229
Wildberger, K., see B. Nonas **165**: 137
Wildberger, K., see V.S. Stepanyuk **165**: 272
Wilde, C., see C.M. Schneider **162**: 7
Willard, M., see B.Y. Wong **169**: 178
Willekens, M.M.H., see H.J.M. Swagten **156**: 329
Williams, A.J., see C. Tattam **152**: L275
Williams, A.J., see C. Tattam **154**: 328
Williams, A.J., see F.M. Ahmed **157/8**: 59
Williams, A.J., see G.P. Hatch **157/8**: 69
Williams, J.M., H.J. Blythe, V.M. Fedosyuk, An investigation of electrodeposited granular CuFe alloyed films **155**: 355
Williamson, S., see B. Baholo **157/8**: 444
Wills, J.M., see O. Hjortstam **156**: 85
Wilson, M.J., see R.J. Pollard **151**: 139
Wilson, R.J., see T.J. Minvielle **168**: 243
Wilton, D.T., see H.A. Shute **157/8**: 577
Winiarska, A., see Z. Drzazga **157/8**: 107
Winter, H., see J. Weizenecker **152**: 183
Wirth, S., A. Leithe-Jasper, A.N. Vasil'ev, J.M.D. Coey, Structural and magnetic properties of Ni_2MnGa **167**: L7
Wirth, S., see D. Hinz **157/8**: 43
Wiser, N., Phenomenological theory of the giant magnetoresistance of superparamagnetic particles **159**: 119
Wiser, N., see J. Xu **156**: 69
Wisny, W., see P. Poulopoulos **170**: 57
Withanawasam, L., see I. Panagiotopoulos **152**: 353
Woch, M., see W. Gawior **157/8**: 207
Wochowski, K., see W. Suski **154**: 207
Wochowski, K., see J.J. Wysłocki **162**: 239
Wojciechowski, S., see M. Leonowicz **157/8**: 45
Wójcik, M., E. Jędryka, S. Nadolski, T. Stobiecki, M. Czapkiewicz, NMR study in amorphous CoZr thin film alloys **157/8**: 220
Wójcik, M., see E. Jędryka **156**: 38
Wójcik, M., see E. Jędryka **165**: 292
Wójcik, N., see W. Gawior **157/8**: 207
Wójcik, N., see R. Kolano **160**: 213
Wokowski, P., see C. Standaert **160**: 139
Wolf, G., see V.E. Martin **157/8**: 51
Wolf, M., see D. Eckert **157/8**: 93
Wolf, R.M., see P.A.A. van der Heijden **159**: L293
Wolf, R.M., see J.M. Gaines **165**: 439
Wolfers, P., see E. Brando **157/8**: 465
Wolfers, P., see J. Tobola **157/8**: 708
Wolfman, J., A. Maignan, Ch. Simon, B. Raveau, Competition between metal–semiconductor and charge ordering transitions in the CMR ceramic $Pr_{1/2-x}Y_xSr_{1/2}MnO_3$ **159**: L299
Wong, B.Y., M. Willard, D.E. Laughlin, Domain wall pinning sites in $Sm(CoFeCuZr)_x$ magnets **169**: 178
Wongsam, M.A., R.W. Chantrell, The equations of motion of micromagnetics in Hamiltonian form **152**: 234
Wongsam, M.A., R.W. Chantrell, P.W. Haycock, A Hamiltonian description of FMR in finite continuous media **155**: 37
Wongsam, M.A., see K.M. Tako **155**: 40
Woodall, J.M., see T.M. Pekarek **169**: 261
Woodward, R.C., see L. Folks **159**: 109
Woolley, J.C., A.-M. Lamarche, G. Lamarche, M. Quintero, I.P. Swainson, T.M. Holden, Low temperature magnetic behaviour of $CuFeS_2$ from neutron diffraction data **162**: 347
Woolley, J.C., A.-M. Lamarche, G. Lamarche, R. Brun del Re, M. Quintero, F. Gonzalez-Jimenez, I.P. Swainson, T.M. Holden, Low temperature magnetic behaviour of $CuFeSe_2$ from neutron diffraction data **164**: 154
Wu, C.H., X.M. Jin, W.Q. Ge, Y.C. Chuang, X.P. Zhong, R.Q. Li, J.Y. Li, Magnetostriction and anisotropy compensation composition of $Dy_{0.9-x}Tb_xPr_{0.1}Fe_{1.85}$, $Dy_{1-x}Tb_x(Fe_{0.9}Mn_{0.1})_{1.8}$ and $Dy_{0.9-x}Tb_xPr_{0.1}(Fe_{0.9}Mn_{0.1})_{1.8}$ alloys **163**: 360
Wu, C.H., C.P. Yang, Y.C. Chuang, X.M. Jin, J.Y. Li, Structure and magnetostriction of $R(Fe_{1-x}Mn_x)_{1.85}$ alloys ($R = Dy_{0.6}Tb_{0.3}Pr_{0.1}$) **166**: 249
Wu, C.H., see B.W. Wang **162**: 343
Wu, C.H., see S.L. Tang **164**: 215
Wu, L., W. Zhan, X. Chen, Directional growth of single crystal Terfenol-D by the electron beam zoning method **164**: 367
Wu, P., E.Y. Jiang, C.D. Wang, Magnetization and interface structure of Co/Ti multilayers **168**: 43
Wu, R., A.J. Freeman, Role of multilayer relaxation on the magnetic coupling of bilayer Mn on Fe(001) **161**: 89
Wu, R., L. Chen, A.J. Freeman, First principles determination of magnetostriction in bulk transition metals and thin films **170**: 103
Wu, R., see X. Wang **159**: 337
Wu, S.H., see W.C. Chang **167**: 65
Wu, Z.Q., G.H. Shirkoohi, J.Z. Cao, Simple dynamic hysteresis modelling of three phase power transformer **160**: 79
Wüchner, S., see D. Givord **159**: 71
Wulfhekel, W., S. Knappmann, H.P. Oepen, Magnetic anisotropy in Co/Cu(1 1 17): Temperature dependence **163**: 267
Wur, C.S., see H.M. Duh **153**: 379
Wurm, K., see E. Bauer **156**: 1

Wuyts, B., see K. Temst **156**: 109
Wyslocki, B., see D. Plusa **157/8**: 338
Wysłocki, B., see J. Zbroszczyk **160**: 279
Wysłocki, B., see J. Zbroszczyk **160**: 281
Wysłocki, B., see J. Świerczek **160**: 295
Wysłocki, J.J., W. Suski, P. Pawlik, K. Wochowski, B. Kotur, O.I. Bodak, Magnetocrystalline anisotropy constants, rotational hysteresis energy and magnetic domain structure in UFe_6Al_6, UFe_9AlSi_2 and $ScFe_{10}Si_2$ intermetallic compounds **162**: 239

Xanthakis, J.P., see D. Karaoulanis **161**: 231
Xia, H., see S.S. Kang **166**: 277
Xiao, Q.-f., see Z.-q. Jin **169**: 135
Xiao, Q.F., see Y.C. Sui **170**: L17
Xiao, X.C., see X.R. Huang **162**: 253
Xie, N., see L. Zhou **166**: 253
Xu, J., B.J. Hickey, M.A. Howson, D. Greig, M.J. Walker, N. Wiser, Enhanced magnetoresistance of Co/Cu(111) wedge superlattices grown by MBE **156**: 69
Xu, J., M.A. Howson, B.J. Hickey, D. Greig, P. Veillet, E. Kolb, Giant magnetoresistance and super-paramagnetism in Co/Au multilayers **156**: 379
Xu, J., see A.J.R. Ives **154**: 301
Xu, J., see T. Zhou **164**: 219
Xu, M.-c., see S.-s. Yan **168**: 55
Xu, T., see S.-H. Ge **168**: 35
Xu, X.N., see S.S. Kang **166**: 277
Xu, Z.X., see T. Liu **152**: 359
Xu, Z.X., see T. Liu **152**: 365
Xue, D., see F. Li **151**: 221
Xue, D.S., see C.L. Yang **151**: L19
Xue, D.S., see B.X. Gu **167**: 105

Yago, K., see T. Nakata **160**: 119
Yamada, A., see Y. Ueda **156**: 353
Yamada, H., see K. Shimokawa **154**: 271
Yamada, H., see T. Nagasima **164**: 115
Yamada, K., A. Kowata, K. Satoh, H. Koike, K. Yamaguchi, The magneto-optical and -transport studies of magnetic semiconductor EuSe in a high magnetic field up to 30 T **157/8**: 563
Yamada, S., see T. Ishiguro **155**: 256
Yamaguchi, A., see T. Yamaguchi **156**: 279
Yamaguchi, H., see H. Wada **152**: 165
Yamaguchi, K., see K. Yamada **157/8**: 563
Yamaguchi, M., S. Asano, First-principles calculations of the 3d magnetocrystalline anisotropy energy of YCo_5, Y_2Co_7, YCo_3, and Y_2Co_{17} **168**: 161
Yamaguchi, M., see N.V. Mushnikov **167**: 229
Yamaguchi, T., H. Mizubayashi, Y. Yoshihara, W. Song, A. Yamaguchi, R. Yamamoto, Effects of annealing on the elastic properties of Ag/Pd multilayer films **156**: 279
Yamaguchi, Y., see S. Matsuo **161**: 255
Yamaguchi, Y., see H. Onodera **170**: 201
Yamamoto, I., see N.V. Mushnikov **167**: 229
Yamamoto, K., see M. Kitada **161**: 397
Yamamoto, R., see T. Yamaguchi **156**: 279
Yamamoto, T., see K. Yamanaka **152**: 411
Yamamoto, T., see N. Inaba **168**: 222
Yamanaka, K., T. Yamamoto, K. Tanahashi, N. Inaba, Y. Hosoe, Y. Uesaka, M. Futamoto, Fluctuation fields and medium noise in CoCrTa and CoCrPt films **152**: 411
Yamasaki, A., see Y. Hara **168**: 213
Yamasaki, K., see Y. Yoshitomi **160**: 123
Yamashita, F., see H. Fukunaga **157/8**: 63
Yamashita, T., see S. Otomo **159**: 256
Yamauchi, H., see S. Matsuo **161**: 255
Yamauchi, H., see H. Onodera **170**: 201
Yamazaki, H., G. Tatara, K. Katsumata, K. Ishibashi, Y. Aoyagi, Magnetic relaxation in Ni wires **156**: 135
Yamazaki, H., see V.L. Safonov **161**: 275
Yan, A., X. Song, X. Wang, Effect of minor intergranular additives on microstructure and magnetic properties of Nd–Fe–B based magnets **169**: 193
Yan, A., see Z. Chen **162**: 307
Yan, M.L., see W.Y. Lai **155**: 358
Yan, Q., see W. Zhong **168**: 196
Yan, S.-s., Y.-h. Liu, M.-c. Xu, M. Zheng, L.-m. Mei, Spin polarization and magnetic properties in Co–Nb/Pd and Co–Nb/Pd/Si/Pd multilayers **168**: 55
Yu, Y., H. Jin, T. Zhao, Nd–Nd exchange interaction in $Nd_2Fe_{14}B$ **164**: 201
Yanagitani, A., see I. Takasu **163**: 397
Yang, C.J., E.B. Park, The effect of magnetic field treatment on the enhanced exchange coupling of a $Nd_2Fe_{14}B/Fe_3B$ magnet **166**: 243
Yang, C.J., E.B. Park, Mössbauer study on $Nd_2Fe_{14}B/Fe_3B$ composite magnet treated by an external magnetic field **168**: 278
Yang, C.L., M.M. Abd-Elmeguid, H. Micklitz, G. Michels, J.W. Otto, Y. Kong, D.S. Xue, F.S. Li, Pressure effects on the electronic properties and the magnetic ground state of γ'-Fe_4N **151**: L19
Yang, C.P., see C.H. Wu **166**: 249
Yang, F., see H. Pan **159**: 352
Yang, F., see H. Pan **161**: 177
Yang, F., see H. Pan **163**: 221
Yang, F., see H. Pan **164**: 197
Yang, F., see Y.-g. Wang **167**: 237
Yang, F., see H. Pan **170**: 179
Yang, F., see H. Pan **170**: 331
Yang, F.-M., see N. Plugaru **157/8**: 647
Yang, F.M., see J.L. Wang **159**: 357
Yang, F.M., see J.L. Wang **166**: 355
Yang, J., S. Dong, W. Mao, Y. Yang, Structure and magnetic properties of $(Pr_xDy_{1-x})Fe_{10.5}V_{1.5}$ compounds and their nitrides **152**: 396

Yang, J., Q. Wang, X. Sun, The structures and magnetic properties of mechanically alloyed Sm–Fe–T (T = Ti, Ti + V, V) systems **166**: 216
Yang, J., see F. Li **151**: 221
Yang, J.-S., see C.-R. Chang **155**: 92
Yang, Y., see J. Yang **152**: 396
Yang, Z., see D.-H. Han **161**: 376
Yano, H., see T. Nakata **160**: 177
Yaoi, T., see S. Kumagai **166**: 71
Yartseva, N.S., see V.M. Uzdin **156**: 193
Yartseva, N.S., see V.M. Uzdin **165**: 370
Yartys, V.A., O. Gutfleisch, I.R. Harris, Hydrogen-induced phase and magnetic transformations in $Nd_{1.1}Fe_4B_4$ **157/8**: 119
Yashiki, H., T. Fukagawa, Secondary recrystallization behavior in grain-oriented 2.3 Si–1.7 Mn steel **160**: 127
Yasin, M.R., see A. Basak **160**: 210
Yasuda, K., see Y. Tanaka **170**: 289
Yasuda, T., see S. Takada **157/8**: 455
Yatsyk, B.M., see I.D. Shcherba **157/8**: 688
Yavari, A.R., see T. Hopfinger **164**: L7
Yeh, T., see C.-L. Lin **155**: 168
Yelon, A., see P. Ciureanu **157/8**: 432
Yelon, A., see P. Rudkowski **160**: 313
Yelsukov, E.P., E.V. Voronina, G.N. Konygin, V.A. Barinov, S.K. Godovikov, G.A. Dorofeev, A.V. Zagainov, Structure and magnetic properties of $Fe_{100-x}Sn_x$ ($3.2 < x < 62$) alloys obtained by mechanical milling **166**: 334
Yelsukov, Ye.P., see V.V. Maikov **151**: 167
Yermakov, A.Ye., see V.V. Maikov **151**: 167
Yermakov, A.Ye., see N.V. Mushnikov **167**: 93
Yiping, L., G.C. Hadjipanayis, V. Papaefthymiou, A. Kostikas, A. Simopoulos, C.M. Sorensen, K.J. Klabunde, Heat treatment effects on structural and magnetic properties of fine Fe–B particles **164**: 357
Yokoyama, T., see Y. Aoki **162**: 1
Yoo, Y.G., W.T. Kim, S.C. Yu, Y.D. Kim, Temperature dependence of magnetization in nanocrystalline Cu–Fe–Co alloys **157/8**: 233
Yoon, S., see K.Y. Ko **162**: 117
Yoshida, H., see S. Ohta **163**: 117
Yoshihara, Y., see T. Yamaguchi **156**: 279
Yoshimura, T., see H. Fukunaga **157/8**: 63
Yoshitomi, Y., N. Takahashi, O. Tanaka, M. Ishibashi, Y. Mishima, K. Yamasaki, Ultrathick glassless high-permeability, grain-oriented silicon steel sheets with high workability **160**: 123
Youhui, G., J.H. Zhu, L.-C. Tai, Magnetic properties and magnetostriction in $Tb_{0.5}Dy_{0.5}(Fe_{0.9}Mn_xAl_{0.1-x})_{1.95}$ compounds **152**: 379
Young, S., B. Dieny, B. Rodmacq, J. Mouchot, M.H. Vaudaine, Magnetoresistance of microscopic strips of thin (NiFe/Ag) multilayers with large bi-quadratic coupling **162**: 38
Yu, C.H., see W.C. Chang **157/8**: 89
Yu, C.T., see W.Y. Lai **155**: 358
Yu, M., Y. Kakehashi, Theory of magnetism in amorphous Fe–Zr alloys **162**: 189
Yu, M., see Z.S. Shan **161**: 323
Yu, R.H., X.X. Zhang, J. Tejada, M. Knobel, P. Tiberto, P. Allia, F. Vinai, Giant magnetoresistance in magnetic granular $Co_{15}Cu_{85}$ alloys annealed by direct-current Joule heating **164**: 99
Yu, S.-C., J.-S. Baek, S. Nakagawa, M. Naoe, Underlayer thickness dependence of magnetic properties of $Co_{83}Cr_{17}/Co_{96}Zr_4$ double layer by FTS system **155**: 225
Yu, S.-C., S.-M. Han, K.-Y. Kim, T.-H. Noh, Spin wave excitation on amorphous $Co_{80+x}TM_{12}B_{8-x}$ alloys **157/8**: 237
Yu, S.C., see Y.G. Yoo **157/8**: 233
Yu, Y., J.W. Harrell, FMR determination of damping constants in magnetic tapes **155**: 126
Yu, Y., T.W. Krause, P. Weyman, D.L. Atherton, Tensor magnetic hysteresis loop measurements of a steel cube **166**: 290
Yu, Y., D.L. Atherton, Tensor magnetic hysteresis loops for a ferrite permanent magnet cube **169**: 199
Yu, Z., see T. Zhou **164**: 219
Yu, Z.Q., J.R. Zhang, Y.W. Du, Magnetic properties and preparation of Fe_3N compound **159**: L8
Yuan, Y., see E. Vincent **161**: 209
Yubero, F., see M. Finazzi **165**: 78
Yubero, F., see S. Andrieu **165**: 191
Yuitoo, I., S. Sasaki, Y. Hamakawa, Study of the direction of magnetization and noise of magnetic thin films using a scanning Kerr effect microscope **159**: 395
Yuseena, S.Yu., see G.N. Sever **157/8**: 473
Yusu, K., see R.J. Highmore **151**: 95
Yusu, K., see K. Inomata **156**: 219
Yusuf, N.A., I. Qasmieh, H. Abu-Safia, On the concentration and wavelength dependence of the degree of polarization in magnetic fluids **166**: 374
Yusuf, N.A., see J. Shobaki **159**: 367
Yusuf, Sk.M., L. Madhav Rao, P.L. Paulose, V. Nagarajan, Polarised neutron study of amorphous $Fe_{90-x}Ru_xZr_{10}$ alloys **166**: 349

Zabala, N., see P. Gorria **157/8**: 203
Zabel, H., see T. Thomson **156**: 89
Zabluda, V., see I. Edelman **161**: 299
Zach, R., see J. Tobola **157/8**: 708
Zadro, K., Magnetic excitations in $Fe_3Ni_{77}B_{18}Si_2$ amorphous alloy **163**: L5
Zagainov, A.V., see E.P. Yelsukov **166**: 334
Zagyi, B., see J. Ziman **169**: 98
Zaharie, I., see I. Mihalca **157/8**: 161
Zahn, P., see I. Mertig **151**: 363
Zahn, P., see J. Binder **165**: 100

Zainullina, R.I., see K.B. Vlasov **161**: 189
Zajkov, N.K., see N.V. Mushnikov **163**: 322
Zajkov, N.K., see N.V. Mushnikov **167**: 93
Zajkov, N.K., see N.V. Mushnikov **167**: 229
Žák, T., Y. Jirásková, O. Schneeweiss, A. Sólyom, P. Marko, High temperature magnetization of 3.5% Si steel **157/8**: 453
Zaleski, A.J., see V.H. Tran **162**: 247
Zalessky, A.V., see M.K. Gubkin **154**: 351
Załuska-Kotur, M.A., J.S. Høye, Dipolar systems – transition to glassy ordering on dilution **161**: 111
Zaman, H., see Y. Ueda **156**: 350
Zanchini, C., see P. Fleischhauer **159**: 166
Zangari, G., P. Bucher, N. Lecis, P.L. Cavallotti, L. Callegaro, E. Puppin, Magnetic properties of electroplated Co–Pt films **157/8**: 256
Zangari, G., see L. Callegaro **155**: 190
Zarek, W., Influence of Si, Al and C on the crystal structure and magnetic properties of Sm_2Fe_{17} **157/8**: 91
Zaspel, C.E., D. Godinez, Vortex energies in the two-dimensional easy-plane ferromagnet **162**: 91
Zatroch, M., see L. Novák **160**: 261
Závěta, K., see V. Hašlar **153**: 63
Závěta, K., see L. Kraus **157/8**: 151
Zaveta, K., see V. Basso **157/8**: 217
Závišová, V., see P. Kopčanský **157/8**: 587
Závišová, V., see M. Koneracká **157/8**: 589
Zayarnaya, T.Ye., see G.V. Kurlyandskaya **157/8**: 541
Zayarnaya, T.Ye., see G.V. Kurlyandskaya **160**: 307
Zazo, M., see P. Hernández **157/8**: 123
Zbroszczyk, J., W.H. Ciurzyńska, Y. Tanaka, M. Enokizono, J. Olszewski, M. Hasiak, Microstructure and some magnetic properties of high-silicon Fe–Si sheets **160**: 141
Zbroszczyk, J., H. Fukunaga, J. Olszewski, W.H. Ciurzyńska, M. Hasiak, The role of Nb and Cu in the creation of nanostructure in Fe-based amorphous alloys **160**: 277
Zbroszczyk, J., L.K. Varga, J. Olszewski, W.H. Ciurzyńska, B. Wysłocki, S. Szymura, M. Hasiak, G. Haneczok, After-effect and microstructure of nanocrystalline alloys with different as-quenched disorder **160**: 279
Zbroszczyk, J., K. Narita, J. Olszewski, W. Ciurzyńska, W. Lijun, B. Wysłocki, S. Szymura, M. Hasiak, Effect of Co addition on the microstructure and magnetic properties of Fe–Cu–Nb–Si–B alloy **160**: 281
Zbroszczyk, J., see J. Świerczek **160**: 295
Zebracki, J., see J. Kaleta **160**: 199
Zeller, R., see I. Mertig **151**: 363
Zeller, R., see P. Lang **156**: 229
Zeller, R., see T. Hoshino **157/8**: 717
Zeller, R., see B. Nonas **165**: 137
Zeller, R., see V.S. Stepanyuk **165**: 272
Zeller, R., see K. Wildberger **165**: 454
Zemlyanski, S.V., see N.V. Baranov **157/8**: 401
Zeng, G., see Q. Ba **163**: 327
Zentko, A., see M. Zentková **157/8**: 581
Zentková, M., J. Kováč, A. Zentko, A. Košturiak, A. Hudák, The spin-glass-like behaviour of Ni–xylenol orange complexes **157/8**: 581
Zhai, H.R., see B.X. Gu **168**: 31
Zhan, W., see L. Wu **164**: 367
Zhan, W.-s., see B.-g. Shen **151**: 111
Zhang, C.-L., see J. Tan **164**: 211
Zhang, H.Y., see B.X. Gu **168**: 31
Zhang, J., see T. Zhou **164**: 219
Zhang, J.R., see Z.Q. Yu **159**: L8
Zhang, J.-x., see B.-g. Shen **153**: 332
Zhang, L., A. Manthiram, Synthesis and characterization of chains composed of nanometer size Fe–Cr–B particles **168**: 85
Zhang, N., see W. Zhong **168**: 196
Zhang, S., see P.M. Levy **151**: 315
Zhang, S., see P.M. Levy **164**: 284
Zhang, W., I.W. Boyd, M. Elliott, W. Herrenden-Harkerand, Growth of giant magnetoresistance metallic granular Co–Ag films by pulsed laser deposition **165**: 330
Zhang, W., see Y. Zhou **167**: 136
Zhang, X.-G., see W.H. Butler **151**: 354
Zhang, X.-m., see Z.-W. Zhang **170**: 184
Zhang, X.X., see R. Solé **159**: L39
Zhang, X.X., see R.H. Yu **164**: 99
Zhang, Y.D., see N.X. Shen **162**: 265
Zhang, Y.L., see B.W. Wang **162**: 343
Zhang, Y.L., see S.L. Tang **164**: 215
Zhang, Z., see K. Ounadjela **156**: 267
Zhang, Z.-d., see Z.-q. Jin **169**: 135
Zhang, Z.D., see Y.C. Sui **170**: L17
Zhang, Z.D., see B.W. Wang **170**: 335
Zhang, Z.-W., S.-W. Ren, Molecular field theory analysis of the relation between n_{FF}, $M^2_{Fe}(0)$ and T_c in RTC **151**: 82
Zhang, Z.-W., S.-W. Ren, X.-m. Zhang, X.-J. Song, L.-P. Han, Z.-C. Ni, Molecular field theory analysis of R_2Co_{17} (R = Pr, ND, Gd, Tb, Dy, Ho, Er, Tm) intermetallic compounds **170**: 184
Zhang, Z.-Z., see S.-H. Ge **168**: 35
Zhao, J.-g., see B.-g. Shen **151**: 111
Zhao, J.-g., see B.-g. Shen **153**: 332
Zhao, J.-Z., see S.-H. Ge **168**: 35
Zhao, M.G., see M. Qiu **164**: 111
Zhao, R., see H. Pan **159**: 352
Zhao, R.W., see J.L. Wang **166**: 355
Zhao, T., see Y. Yan **164**: 201
Zhao, T., see Y.C. Sui **170**: L17
Zhao, X.-g., see Z.-q. Jin **169**: 135
Zhao, X.G., see Y.C. Sui **170**: L17
Zhao, X.G., see B.W. Wang **170**: 335
Zhao, X.Q., B.X. Liu, Y. Liang, Z.Q. Hu, Oxidation behavior and magnetic properties of metallic ultrafine particles **164**: 401

Zhao, Z.G., see N. Tang **157/8**: 397
Zhao, Z.G., see Q.A. Li **157/8**: 399
Zhao, Z.G., see F.R. de Boer **157/8**: 504
Zharnikov, M., A. Dittschar, W. Kuch, C.M. Schneider, J. Kirschner, Spin-resolved photoemission and band-mapping in epitaxial fcc Fe–Co alloys on Cu(100) **165**: 250
Zharnikov, M., see J. Shen **156**: 104
Zharnikov, M., see W. Kuch **170**: L13
Zheng, M., see S.-s. Yan **168**: 55
Zheng, S.M., see G.S. Chaddha **152**: 152
Zheng, Y., see I.A. Al-Omari **151**: 145
Zhi, J., K.-y. He, L.-z. Cheng, Y.-j. Fu, Influence of the elements Si/B on the structure and magnetic properties of nanocrystalline $(Fe,Cu,Nb)_{77.5}Si_xB_{22.5-x}$ alloys **153**: 315
Zhi, J., see Q.-x. Ba **154**: 245
Zhi, J., see Q. Ba **163**: 327
Zhong, L., see Y. Zhou **167**: 136
Zhong, W., W. Ding, N. Zhang, J. Hong, Q. Yan, Y. Du, Key step in synthesis of ultrafine $BaFe_{12}O_{19}$ by sol–gel technique **168**: 196
Zhong, X.P., see C.H. Wu **163**: 360
Zhou, K., see H. Pan **159**: 352
Zhou, L., S. Jin, N. Xie, R. Tao, A quantum model for the magnetic multi-valued recording **166**: 253
Zhou, L., see K. Ounadjela **156**: 267
Zhou, L., see M.S. Valera **157/8**: 555
Zhou, L., see P. Wigen **165**: 465
Zhou, R., see F. Li **151**: 221
Zhou, T., J. Zhang, J. Xu, Z. Yu, G. Gu, D. Wang, H. Huang, Y. Du, J. Wang, Y. Jiang, Preparation of nanocrystalline Fe–Si alloys and their magnetic properties **164**: 219
Zhou, Y., W. Zhang, L. Zhong, X. Nie, D.-s. Wang, Electronic structure of fcc iron in metastable magnetic phases **167**: 136
Zhou, Y.Y., C. Rudowicz, High field magnetic anisotropy study of Fe^{2+} ions in II–VI semimagnetic semiconductors **163**: 80
Zhu, H.L., see K. Matsubara **160**: 41
Zhu, H.L., see T. Nakata **160**: 177
Zhu, H.L., see K. Matsubara **160**: 185
Zhu, J.H., see G. Youhui **152**: 379
Zhukov, A.P., M. Vázquez, J. Velázquez, H. Chiriac, V. Larin, The remagnetization process in thin and ultra-thin Fe-rich amorphous wires **151**: 132
Zhukov, A., C. Gómez-Polo, P. Crespo, M. Vázquez, Axial and transverse magnetization processes of glass-coated amorphous microwires **157/8**: 143
Zhukov, A., M. Vázquez, J. Velázquez, A. Hernando, V. Larin, Magnetic properties of Fe-based glass-coated microwires **170**: 323
Zhukov, A.P., see M. Vázquez **160**: 223
Ziman, J., B. Zagyi, DC-magnetoresistance in surface crystallized FeSiB amorphous wire **169**: 98
Zimmermann, G., K.A. Hempel, Remanence properties and critical radius of two single-domain spheres with a point contact **155**: 98
Zimmermann, G., K.A. Hempel, Comparison of the magnetization reversal of Hi-8 ME and MP videotape **155**: 286
Zimmermann, T., see J. Langer **156**: 19
Zinn, W., see F. Klinkhammer **161**: 49
Zinn, W., see K. Wagner **161**: 57
Zinn, W., see U. Köbler **170**: 110
Zochowski, S.W., A. Tari, Thermal expansion study of the spin reorientation and magnetic phase transitions in the $Ho(Co_{1-c}Rh_c)_2$ compounds **164**: 147
Zochowski, S.W., see J. Rodriguez Fernandez **161**: 220
Zoll, S., H.A.M. Van den Berg, J.P. Jay, H.J. Elmers, C. Meny, P. Panissod, D. Stoeffler, A. Dinia, K. Ounadjela, Coupling mechanism in Co/Ru sandwiches with thin spacers **156**: 231
Zoll, S., A. Dinia, M. Gester, D. Stoeffler, H.A.M. van den Berg, A. Herr, R. Poinsot, H. Rakoto, Giant antiferromagnetic exchange coupling in ultrahigh-vacuum grown (111) Co/Rh sandwiches **165**: 442
Zoll, S., see H.A.M. van den Berg **165**: 524
Zołnierek, Z., see V.H. Tran **161**: 270
Żuberek, R., see A. Ślawska-Waniewska **157/8**: 147
Żuberek, R., see M. Lubecka **160**: 21
Żuberek, R., see A. Ślawska-Waniewska **160**: 253
Zubov, V.E., A.D. Kudakov, A.I. Maslov, Magneto-optical investigation of the spatial magnetization distribution in a two-layer MIG head **157/8**: 297
Zubov, V.E., A.D. Kudakov, N.L. Levshin, V.V. Pilipenko, Anomalous influence of physical adsorption on the magnetic properties of iron single crystals **160**: 19
Zubov, V.E., see D.Y. Bi **160**: 157
Zubrzycki, A., A route to chaos in a one-dimensional ferromagnet containing Bloch domain wall **151**: 290
Žukovič, M., A. Bobák, Phase diagrams and tricritical behaviour of a diluted Ising metamagnet in an external field **170**: 49
Żukrowski, J., see J. Marzec **157/8**: 413
Zvezdin, A.K., see I.S. Dubenko **153**: 207
Zvezdin, A.K., see R. Atkinson **156**: 169
Zvezdin, A.K., see V.V. Dobrovitski **156**: 205
Zvezdin, A.K., see V.V. Dobrovitski **157/8**: 419
Zvezdin, K.A., see R. Atkinson **156**: 169
Zygmunt, A., A. Szytuła, M. Kolenda, Z. Tomkowicz, N. Stüsser, J. Leciejewicz, Magnetic properties of RAgGa (R = Tb, Dy, Ho) compounds **161**: 127
Zygmunt, A., see A. Szytuła **153**: 273
Zygmunt, A., see A. Ślebarski **159**: 179
Zygmunt, A., see S. Baran **170**: 143
Żywucki, B., see M. Koneracká **157/8**: 589

ELSEVIER

Journal of Magnetism and Magnetic Materials 151–170 (1997) 94–131

Journal of magnetism and magnetic materials

Subject index to volumes 151–170

3d impurities **165**: 137
3d magnetism **157/8**: 343
4d elements **155**: 358
4f magnetism **169**: 123
5f band metamagnetism **169**: 229

AB-block copolymer **155**: 77
Ab-initio calculation **156**: 229
159: L313, L318
Acoustic absorption **156**: 394
Acoustic waves
– pulse **164**: 172
Actinide **157/8**: 692
Actinide magnetism **161**: 169
Activation volume **155**: 52
164: 385
Addition effects **155**: 231, 242
160: 289
161: 397
167: 105
Additional gaps **157/8**: 297
Additive **157/8**: 487
Adsorption **160**: 19
Adsorption heat **155**: 332
Aerosol technique **159**: 147
Aftereffect **154**: 245
159: L27
160: 279
163: 327
168: 347
– magnetic **153**: 320
157/8: 63, 123, 175, 315
– thermal **153**: 302
Aging **161**: 209
Alignment **157/8**: 597
Alloying **167**: L179
Alloying effects **169**: 229
Alloys **157/8**: 281
Amorphization **156**: 38, 417
160: 357
167: 93
Amorphous hard magnetic rare earth intermetallics **157/8**: 535

Amorphous materials **157/8**: 227
162: 55, 60, 95, 189
166: 186
Amorphous systems **151**: 378
157/8: 171, 203, 237
162: 147, 183
169: 105
170: 129
– alloys **152**: 359, 365
153: 28, 132, 231, 285
154: 54, 101, 245, 375
156: 181, 291, 411
157/8: 149, 156, 161, 169, 175, 181, 183, 197, 217, 220, 229, 231, 241, 243, 519, 635
159: 159
161: 195
163: 96, 327, 339, 345, 349, 353
164: 163, 211
167: 105, 254
168: 169, 177
– core building factor **160**: 217
– crystalline thermocouple **160**: 239
– distribution transformer **160**: 213, 217
– ferromagnets **157/8**: 167
– films **154**: 271
156: 291
157/8: 293
– magnetocrystalline **151**: 249
– melt-spun **154**: 201
– microwires **157/8**: 143
160: 223
170: 323
– multilayers **152**: 201
168: 47
– non-magnetostrictive **163**: 132
– paramagnetic **151**: 273
– rare earth **166**: 303
– ribbons **152**: 191, 326, 345
153: 63, 141
157/8: 173, 543
166: 201, 349

– sputtered **154**: 201
– thin films **152**: 17
157/8: 137, 501
– TM alloys **152**: 213
– uniaxial **151**: 178
– wires **157/8**: 137, 145, 451
160: 194, 237, 241, 243, 245
162: 355
164: 319
169: 89, 98, 169
Angle detection **165**: 524
Anisotropic magnetoresistance **157/8**: 690
Anisotropic magnetoresistance effect **160**: 313
Anisotropic materials **157/8**: 361
Anisotropic powder **157/8**: 15
Anisotropic strain **170**: L7
Anisotropic superconductor **157/8**: 611, 671
Anisotropy **153**: L1, 17
155: 309
156: 41, 73, 121, 137, 145, 167, 181, 211, 233, 239, 289, 291, 293, 375, 435
157/8: 21, 85, 91, 111, 151, 177, 179, 223, 293, 329, 389, 407, 512, 514, 516, 523, 541, 543, 587, 624, 690
159: 207, 331
160: 25, 257, 309, 338, 341, 351, 365, 367, 374
161: 287
163: 8, 80, 216
165: 74, 161, 323, 428
166: 277
167: 229
168: 55, 336
– 3d **157/8**: 504
– amorphous systems **153**: 63
– bulk **169**: 31
170: 129
– compensation **163**: 360
– creep induced **163**: 132
– crystal field **154**: 29
– exchange **155**: 297
156: 253
– helical **168**: 177
– in-plane **153**: 265
154: 249
163: 39
165: 394
170: 57
– induced **153**: 141
154: 245
157/8: 141, 179, 519, 599
– interface **152**: 27
159: L293, 337
160: 347
165: 56, 227, 262, 496
– intrinsic **157/8**: 525
– layered **154**: 369
– local **152**: 17
– magnetic **155**: 246
156: 75, 137, 419
161: 209, 245, 323
163: 199, 267, 277
167: 52, L185
168: 154
– magnetization dependence **163**: L264
– magnetocrystalline **152**: 265, 379, 387
153: 75
155: 140
156: 293
157/8: 83, 87, 107, 510, 573, 643, 645, 655
159: 337
160: 91, 102, 386
163: 373
164: L1, 256
166: 355, 365
168: 161
170: 179
– magnetoelastic **154**: 160
160: 223, 261
170: L7, 323
– oblique **155**: 284
– orthorhombic **160**: 363
– out-of-plane **154**: 160
– perpendicular **152**: 401
155: 57, 228, 250, 376
156: 7, 75, 145, 209, 296, 371, 435
157/8: 501
159: L27
163: 378
164: 18
165: 254, 391, 405, 408, 411, 414, 484, 487
166: 45, 53
169: 350
170: L7
– planar **163**: 87, 221
– random **157/8**: 133, 149, 173, 225, 535, 713
163: 345
166: 141
– rare earth compounds **157/8**: 71, 109
166: 297
– shape induced **154**: 263

– single-ion **153**: 366
166: 253
– step **165**: 242
– stress induced **152**: 91
153: 63
156: 75, 309
– surface **156**: 73, 167
157/8: 245
159: 175, 337
163: 285
164: 53
165: 56, 487, 508
166: 59
168: 15
169: 31
170: 129
– temperature dependence **153**: 224
163: L264
170: 211
– thin films **152**: 27
153: 265
165: 227, 387
167: L189
– uniaxial **152**: 17, 27, 326, 387
153: 50
154: 263
156: 375
163: 267
165: 1
166: 355
169: 114, 350
170: 331
– volume **165**: 227
Anisotropy constant **151**: 163
153: 132
162: 239, 331
163: 27, 199, L264
169: 159
Anisotropy energy **154**: 71
165: 262
Anisotropy field **153**: 285, 332
159: L39
161: 177, 376
Anisotropy measurements **160**: 71
Anisotropy oscillations **165**: 484
Annealing **152**: 213
156: 65, 104, 119, 332, 353, 381
157/8: 145
160: 249, 338
161: 43
165: 208, 405
168: 35
– high heating rate **160**: 133
– high temperature **160**: 365
Annealing behaviour **157/8**: 189
Annealing effect **152**: 345
153: 55, 63, 141, 285
154: 37, 165
155: 113
159: 269
162: 85, 95, 117
163: 132
164: 99
165: 338, 342
Anomalous diffraction **165**: 87
Antiferromagnetic coupling **154**: 355
159: 201
167: 123
Antiferromagnetic crystals **167**: 149
Antiferromagnetic layers **168**: L233
Antiferromagnetic materials **164**: 43
Antiferromagnetic order **154**: 29
Antiferromagnetic ordering **162**: 247
Antiferromagnetic resonance **157/8**: 391, 496, 733
Antiferromagnetism **152**: 86
153: 55, 366
156: 91, 184, 207, 433
157/8: 336, 403, 639, 641, 653
159: L299
161: 249, 255
164: 225, 251
170: 155, 168, 253, 285
– weak **161**: 143
Antiferromagnets **153**: 366
154: 96
157/8: 391, 484
159: 179
161: 189
164: 233
168: 182
169: 253
167: 57
– ferric **159**: 211
– frustrated **163**: 137
– non-collinear **168**: 299
– relativistic **161**: 70
– two-dimensional **154**: 369
Apparent permeability **157/8**: 444
Approximations **157/8**: 577
Archival stability **155**: 273
Arrott plot **166**: 97
As-cast state **157/8**: 69
Atom probe **156**: 83
Atomic diffusion **156**: 413
Atomic force microscopy **157/8**: 545
164: 293
165: 199, 312
Atomic ordering **160**: 53
Atomic scale **167**: 27
Auger electron emission **162**: 7

Auger electron spectroscopy **156**: 81, 215
163: 21
– angular resolved **156**: 215
Augmented plane wave method **153**: 323
– linearized **167**: 136
Augmented spherical wave method **151**: 263
157/8: 715
165: 450
Azimuthal angle dependence **155**: 43

B–H loop **157/8**: 211
Backlayer **155**: 231
Backward extrusion **157/8**: 41
Ball-milling **157/8**: 231
170: 219
Band calculations **157/8**: 723
Band magnetism **163**: 70
170: 253
Band structure **157/8**: 245
Band structure calculations **151**: 202, 341, 369
153: 323
157/8: 619, 715
159: 179, 192
164: 119
Band theory **156**: 173, 289
167: 259
Barium hexaferrite **157/8**: 125, 326
161: 139, 367
– doped films **157/8**: 295
Barium surplus **157/8**: 268
Barkhausen effect **153**: 231
157/8: 195
159: L27
160: 299
168: 169
Barkhausen jump **151**: 132
157/8: 143
160: 194
170: 323
Barkhausen noise **160**: 43, 273
166: 111
169: 207
Barkhausen volume **156**: 197
Bias field **160**: 149
Bias magnetic fields **162**: 235
Biased magnetization **157/8**: 455
Bilayer **156**: 433
157/8: 336
Bilayer ribbon **157/8**: 156, 211
Biomagnetism **157/8**: 593
Biomechanical strain **160**: 233
Biquadratic exchange **161**: 65
Birefringence **159**: 367
162: 69
Bloch law **153**: 11
Bloch line **156**: 205
161: L17
Bloch walls **162**: 155
Blume–Emery–Griffiths model **164**: 128
Bone fracture healing **160**: 233
Borate glass **167**: 129
Boron **157/8**: 119
Boundary conditions **167**: 209
Boundary regularity **155**: 379, 382
Bridgman method **163**: 87
Brillouin light scattering **156**: 33, 121, 163
165: 383, 424, 428, 504
169: 1
Buffer layer **170**: 74
Bulk scattering **156**: 119

Calcium **157/8**: 323
Calorimetry (DSC) **160**: 263
Cancellation mechanism **166**: L1
Canted structure **157/8**: 489
Cantilever **168**: 18
Carbide **157/8**: 89, 121
Carbon tetrachloride phases **161**: 309
Carrier density **166**: L1
Carrier to noise ratio **155**: 382
Cation distribution **157/8**: 465
Cellular automata **160**: 341
Cellular structure **157/8**: 459
Center aperture detection **155**: 385
Ceramics
– glass **168**: 203
Cerium alloys **157/8**: 685
Cerium intermetallic compounds **161**: 103
Chainlike clusters **154**: 183
Chalcospinel **157/8**: 475
Characterization in rotating field **160**: 43, 73, 125
Characterization under PWM excitation **160**: 27, 29, 31
Charge density **151**: L5
Charge-density waves **157/8**: 653
Chemical bonding **166**: 321
Chemical etching **163**: 393
Chemical hydrogenation **157/8**: 73
Chemical nitrogenation **157/8**: 103
Chemical potential **151**: 246
Chemical vapor deposition **160**: 109, 151
161: 292
Chiral materials **156**: 189
Chromium ions **157/8**: 165
Cluster beam deposition **165**: 42
Cluster effect **154**: 193
160: 261
Cluster glass **168**: 213
Cluster variation method **169**: 343

Clusters **154**: 213
156: 148
165: 268
168: 64
Coating **152**: 40, 47
157/8: 105
CoCr alloy **159**: 401
Coercive field **157/8**: 376
159: L8
160: 269, 277, 333, 338, 343
168: 154, 177
Coercive force **154**: 201
155: 234
162: 85
164: 219
168: 85, 196, 203
Coercivity **151**: 167, 193
152: 265, 383, 411
153: 35, 265, 302, 332
154: 12, 279, 328
155: 168, 253
157/8: 99, 105, 117, 177, 209, 355, 713
159: 109, 238, 361
160: 25, 247, 284, 357, 359
161: 235
162: 131, 307
163: 109, 243
164: 163, 256
165: 108
166: 283
169: 193, 303
170: L17, 219, 289
– angular dependence **157/8**: 67, 338, 376
– composition dependent **159**: 282
– dynamic **159**: 406
– fine particles **155**: 92
– high **161**: 316
– perpendicular **155**: 154, 228
– remanent **155**: 6
– thickness dependent **162**: 183
Coercivity mechanism **161**: 323
Coercivity meter **160**: 187
Coherent potential approximation **156**: 343
157/8: 708
166: 329
Colloids **155**: 67
169: 220
Columnar growth **156**: 151
Columnar structure **162**: 177
Compensation point **168**: 139
Compensation temperature **163**: 292
Complex permeability **157/8**: 175
160: 203, 311
– spectra **160**: 329
Composite magnet **157/8**: 61
Composite materials **160**: 63
– critical concentration **160**: 23
Composite media **157/8**: 579
Composites **166**: 82, 91
Composition modulation **165**: 176
Compositional segregation **168**: 222
Compositional separation **159**: 238, 401
163: 393
Compositionally modulated ferrites **157/8**: 264
Compressibility **157/8**: 381
Computer modelling **162**: 383
Computer simulation **152**: 417
157/8: 421
161: 379
162: 38
163: 285
167: 129
168: 347
Concentration profile **156**: 413
Conductance
– perpendicular **156**: 343
Conduction mechanism **154**: 37
Conductivity **152**: 196, 370, 383
164: 91
– ac **152**: 391
154: 279
164: 187
168: 309
Controlled segregation **157/8**: 215
Copper polarization **157/8**: 313
Core
– interlocked **160**: 139
Core design **160**: 323
Core loss **157/8**: 457
162: 280, 291
169: 105
Core materials **154**: 101
Core vibrations **160**: 207
Corona discharge **160**: 363
Correlated electron systems **164**: 335
Correlated roughness **156**: 51
Correlation lengths **154**: 339
Correlations
– magnetic **162**: 139
– spin–spin **153**: 380
– transverse **152**: 253
Corrosion **152**: 40, 47, L275
155: 261
168: 85
– surface **162**: 122
Covalency effect **164**: 225
CPP geometry **165**: 17, 30, 34
Critical current **166**: 124
Critical field **157/8**: 675
167: 47

Critical parameters **159**: 159
Critical phenomena **169**: 335
– alloys **154**: 375
– concentration **154**: 201, 221
– exponents **163**: 87, 96
– field **154**: 355
– field dependence **151**: 178
– magnetic phase transition **153**: 127
– point effects **153**: 127
– radius **155**: 98
CrO_2 tape **157/8**: 512
Cross rolling **160**: 125
Crystal field **151**: 115
152: 152, 165
157/8: 409, 663, 704
161: 245
162: 314
164: 111
166: 297
Crystal field effect **153**: 366
154: 71
157/8: 111
163: 184
Crystal field interactions **153**: 379
154: 127
Crystal field levels **161**: 103
Crystal field parameters **151**: L5
154: 333
162: 253
Crystal field splitting **157/8**: 651
Crystal field theory **151**: L5
Crystal growth **164**: 256, 367
Crystal lattice distortions **157/8**: 659
Crystal structure **151**: 102, 111, 123, 221
152: 265, 341, 387
153: L1, L255
154: 160
157/8: 91, 99, 405
159: 375
162: 347
164: 154, 251, 377
165: 180, 212, 394
166: 165
167: 71
168: 139
169: 145, 240, 253
170: 143, 339
Crystalline alloys **157/8**: 243
Crystalline electric field **153**: 329
164: 201, 371, 377
Crystallization **152**: 345, 359
153: 337
160: 229, 251, 269, 277, 297
– glass **155**: 110
– surface **160**: 289
Crystallization kinetics **157/8**: 161
Crystallization temperature **161**: 203
162: 60
Cubic laves phase **164**: 215
Curie point **157/8**: 559
Curie temperature **151**: 82, 145
152: 379, 396
153: 115, 132, 279, 332
154: 207
156: 296
157/8: 203, 696
159: L309, L321, 345
160: 259, 307
161: 118, 203
162: 60, 107, 167
163: 21, 103, 109, 221, 349
164: 66
165: 168
166: 237, 249, 355, 365
167: 237, 254
168: 129
170: 179, 184, L243, 331
– composition dependent **152**: 391
154: 12, 201
– paramagnetic **161**: 181
– pressure dependent **164**: 335
– pressure effects **157/8**: 694
Curie–Weiss behavior **151**: 305
Curie–Weiss law **159**: L23
166: 231
170: 110
Curie–Weiss model **154**: 83
164: 233
Current sensor **160**: 194
Current-driven spin transfer **159**: L1
d–f mixing **167**: L1
D/A converter **160**: 185
Damping **155**: 6
Damping constants **155**: 126
Data storage **157/8**: 1
de Haas–van Alphen effect **157/8**: 550
Debye temperature **154**: 375
161: 265
Decarburization **160**: 139
Defects **152**: 365
157/8: 453
Deformation **157/8**: 33
Deformation effects **153**: 241
Degenerate behaviour **161**: 282
Delay line **157/8**: 451
δM curves **155**: 19
ΔE effect **157/8**: 527
160: 11
Demagnetization compensation **155**: 292
Demagnetization factor **166**: 111
Demagnetizing field **160**: 71
Densification **157/8**: 487

Density functional calculations **151**: L5
165: 100
Density of states **157/8**: 702
164: 381
Deposition **157/8**: 299
Depth-dependent rotation **165**: 157
Deterministic chaos **160**: 1
Devices
– magnetometers **151**: 283
Devitrification **157/8**: 159
Dichroism **159**: 367
162: 7, 69
166: 38
170: L13, 29
– magnetic **156**: 94, 99, 265
165: 52, 78, 96, 373, 391, 398
– magnetic circular **156**: 265
157/8: 323
161: 89, 299
– magnetic linear **159**: 342
– X-ray circular **156**: 21
157/8: 313
Dielectric behaviour **164**: 187
Dielectric constant **154**: 279
167: 166
Dielectric permittivity **157/8**: 587
Differential scanning calorimetry **159**: 345
Diffraction
– diffuse **156**: 51
– specular **156**: 51
Diffusion **156**: 407, 419
Diffusion couples **156**: 83
Diffusion process **155**: 376
Digital image processing **151**: 249
153: 215
Digital magnetic recording **157/8**: 262
Digitizer **157/8**: 451
Dilute alloys **151**: 363
Dilute system **154**: 221
Dip-coating **157/8**: 311
Dipolar interaction **154**: 66
157/8: 351
161: 209
162: 253
Dipolar systems **161**: 111
Dipole–dipole interaction **156**: 291
Direct overwrite **152**: 417
155: 370
168: 336
Disaccommodation **160**: 141, 293
Disk drives **157/8**: 1
Dislocations **157/8**: 459
Disorder **156**: 245, 250
Disorder–order transition **156**: 433
Disordered alloy **165**: 128
Disordered alloys **153**: 195
169: 343
Disordered magnetism **157/8**: 606
Disordered systems **151**: 211
152: 54
163: L5
166: 334
Dispersing binder **155**: 77
Dispersion **154**: 66
155: 77, 95, 120
161: 70
170: 95, 298
– particulate **155**: 70
– pigment **155**: 73
Dispersion analysis **161**: 94
Dispersion relation **159**: L45
Distorted flux **160**: 41
Domain dynamics **157/8**: 345
162: 369
Domain growth **157/8**: 345
Domain imaging **156**: 94
162: 7
Domain models **168**: 213
Domain pattern **166**: 111
Domain structure **151**: 178, 249
153: 151, 215
157/8: 39, 67, 307, 315, 338, 457
159: L304
162: 60, 239
164: 319
165: 5, 258, 387, 398, 520
167: 34
168: 121, 154
169: 25, 31
170: 317
Domain wall activation **160**: 136
Domain wall dynamics **155**: 46
157/8: 97, 353, 357
159: 331
160: 1, 299
Domain wall junction **161**: 133
Domain wall models **160**: 11
Domain wall motion **153**: 320
156: 197
165: 492
166: 290
168: 285
Domain wall patterns **160**: 162, 189
Domain wall pinning **154**: 201
161: 235
Domain wall refinement **160**: 136, 287
Domain wall relaxation **160**: 386
Domain wall scattering **165**: 121
Domain wall spacing **164**: 300
Domain wall structure **151**: 231
155: 43

159: 109
160: 191, 249
Domain wall susceptibility **157/8**: 359
Domain walls **151**: 290
153: 189, 293
154: 119
155: 49, 389
156: 130, 133
157/8: 301, 355, 371, 419
159: 81
160: 19
161: 189
162: 155
165: 13, 367
169: 178
170: 277
– ferromagnetic **165**: 121
Domains **155**: 140, 306
157/8: 309, 467, 527
159: 361
161: 22
164: 300
165: 5, 9, 446
– antiferromagnetic **154**: 119
– antiphase **154**: 29
– dumbbell **162**: 235
– motion **154**: 119
– reversed **155**: 187
– theory **159**: 125
Doping effects **151**: 150, 193
153: 86
155: 16
157/8: 295, 415
Double H coil method **160**: 171, 174
Dynamic processes **159**: 406
Dzyaloshinskii–Moriya interaction **157/8**: 421

Earth field compensation **160**: 187
Easy axis orientation **155**: 117
Easy direction **157/8**: 393
Eddy currents **151**: 283
Eddy currents effects **160**: 5, 19, 96
Eddy currents loss **157/8**: 469
160: 41, 323
Effective exchange interaction energies **157/8**: 717
Effective field **164**: 284
170: 285
Effective field theory **162**: 21, 112, 230
Effective medium approximation **165**: 320
Effective medium theory **157/8**: 579
160: 23
Eigenvalues **160**: 17
Elastic coefficients **157/8**: 537
Elastic constant **157/8**: 378
165: 424, 428
Elasticity moduli **157/8**: 199
Electric field gradients **156**: 71
Electrical conductivity **160**: 357
Electrical machine dynamic modelling **160**: 68
Electrical machines **157/8**: 131
Electrical resistivity **151**: 354
152: 22
153: 124
157/8: 601, 611, 624
161: 220
162: 280
163: 184
170: 228
Electrical steel **157/8**: 516
160: 17, 33, 51, 57, 59, 102, 115, 145, 167, 210
162: 291
– grain oriented **160**: 127, 143
– high silicon content **160**: 141
– rapidly solidified **160**: 315
– ultra low carbon **160**: 129
– workability **160**: 109
Electrical transport **161**: 195
Electrodeposition **155**: 190, 352, 355
156: 27, 29, 35, 77, 345, 347, 350, 355
165: 23, 30, 280
Electroless plating **163**: 397
Electrolessly deposited film **155**: 250
Electrolytic cylindrical multilayers **157/8**: 329
Electromagnetic wave theory **157/8**: 727
Electron beam evaporation
– oblique incidence **153**: 265
Electron beam float zoning **164**: 367
Electron beam lithography **155**: 140, 151
165: 500, 504
Electron confinement **164**: 27
Electron diffraction **153**: 293
– high energy **164**: 37
– low energy **156**: 81
165: 242
Electron energy loss spectroscopy **155**: 209
156: 17
159: 401
Electron holography **157/8**: 434
164: 77
Electron interaction **151**: 374
Electron microscopy
– high-resolution **151**: 24
152: 265
161: 37
– low energy **156**: 1

Electron paramagnetic resonance **157/8**: 165, 493
159: 166
164: 111, 143, 251
Electron scattering **157/8**: 730
165: 111
– s–d **156**: 399
Electron spin resonance **156**: 207
157/8: 499
161: 143
167: 99
Electron states **156**: 107
157/8: 287
Electron–phonon interactions **166**: 361
Electronic energy spectra **157/8**: 243
Electronic quasiparticle structure **169**: 39
Electronic structure **151**: 315, 354
153: 323
156: 114, 259, 267, 385
157/8: 343, 595, 708, 719
161: 184
163: 125, 331
164: 381
165: 62
166: 223, 237, 321, 329
167: 136
168: 25, 161
– spin dependent **161**: L11
Electronic structure calculations **157/8**: 417
Electronic transport **166**: 361
Ellipsometry **162**: 131
Energy barrier **165**: 13
Energy dispersive X-ray **168**: 222
Energy filter **159**: 401
Energy gap **157/8**: 473, 637
161: 157
Energy losses **157/8**: 428
Energy product **157/8**: 129
Enhanced stability **157/8**: 29
Enthalphy of mixing **163**: L251
Environmental treatment **157/8**: 125
Epitaxy **156**: 1, 425
165: 168, 185, 202, 212, 220, 462
166: 27
170: 67
Epstein frame **160**: 71, 183
Equation of state **169**: 335
Erbium iron garnet **157/8**: 523
Erosion force **163**: 225
EXAFS **155**: 222
157/8: 501, 595
161: 31
165: 185
– polarized **170**: L7
Exchange constant **159**: 135
160: 21
167: 269
Exchange coupling **153**: 380
154: L1
156: 179, 193, 215, 219, 224, 229, 239, 255, 257, 263, 265, 267, 269, 283
157/8: 61, 301
161: L1
162: 50, 107
163: 125
164: 43
165: 149, 157, 458, 471, 479
166: 27, 243, 267
167: 65, 209
169: 314
170: L13, 74
– antiferromagnetic **151**: 231
156: 65, 79, 207, 335
165: 297, 304, 442, 446
– bilinear **156**: 215, 231
– biquadratic **154**: 301
156: 215, 231
162: 38
165: 431, 468
170: 110
– energy **164**: 293
– ferromagnetic **151**: 231
156: 65
165: 191
– giant **165**: 442
– indirect **159**: 227
163: 21
165: 234
– interdomain **162**: 43
– interface **156**: 255
162: 362
– interfacial **165**: 191
– intergranular **155**: 234, 238, 242, 246
170: 81
– interlayer **152**: 417
154: 24, 321
155: 176
156: 1, 79, 207, 229, 233, 237, 239, 245, 247, 250, 257, 257, 259, 261, 362
159: 175
162: 7
164: 27, 37
165: 128, 284, 370, 431, 435, 442, 454, 465, 524
166: 71
168: 243

– intersublattice **152**: 70
– intralayer **155**: 176
– layers **168**: 336
– magneto-elastic **156**: 421
– magnetostrictive **154**: 245
– non-Heisenberg **152**: 116
– oscillatory **151**: 139
154: 321
156: 79
170: 67
– size dependent **159**: 227
– temperature dependence **156**: 219
Exchange energy **152**: 116
153: 329
166: 75
Exchange field **157/8**: 496
Exchange integral **153**: 5
154: 37, 54
159: 227
163: 353
Exchange interaction **151**: L13, 67
152: 10, 353
153: 17, 115, 279, 366
154: 29, 71, 83
157/8: 169, 285, 383, 523, 639, 647
159: 211, 357
162: 314
163: 349
164: 197, 201, L263
165: 346
166: L1
167: 99, 229
169: 151
– 4f–3d **157/8**: 504
159: 64
– alternating **154**: 231
– antiferromagnetic **151**: 341
– bilinear **168**: 257
– biquadratic **152**: 152
168: 257
– competing **157/8**: 619
– distance dependent **154**: 213
– intersublattice **151**: L13
154: 96
159: 64
– nearest-neighbor **154**: 369
161: 231
– RE–TM **157/8**: 397, 399
– RKKY **159**: 227
161: 239
Exchange-correlation potential **151**: L5
Exchange-coupled layers **155**: 370
Excitation
– magnetic **153**: 366
– spin wave **154**: 375
Facet growth **156**: 137
Far-infrared spectroscopy **157/8**: 550, 637
Faraday effect **151**: 207
154: 141
156: 175
157/8: 305
168: 187
Faraday rotation **153**: 50, 389
154: 271
157/8: 311, 323
160: 363
Fatigue level **160**: 43
Fermi liquid effect **157/8**: 617
Ferrimagnetic intermetallic compounds **157/8**: 85
Ferrimagnetic moments **164**: 115
Ferrimagnetism **156**: 431
157/8: 475
162: 21
163: 292
166: 97
167: 27
168: 129
– itinerant electron **164**: 115
Ferrimagnets **153**: 207
161: 148
167: 229
168: 94
169: 279
Ferrite garnet films **157/8**: 305
Ferrites **151**: 207
152: 391, 401
153: 389
154: 365
157/8: 258, 415, 469, 487, 537
159: L51, 331, 361
160: 323, 376, 379
162: 331
163: 164, 216, 243
164: 187, 256, 385
166: 141
168: 187, 196, 285, 292
169: 145, 199, 314
170: 40
– hexagonal **151**: 173
152: 61
153: L1, 279, 337
– spinel **152**: 370, 383
155: 110, 373
157/8: 489
160: 329
Ferrocolloids **154**: 66
161: 94
Ferrofluids **157/8**: 585, 591
162: 69, 327
163: 216

164: 133, 143
167: 274
168: 269
Ferromagnetic exchange **167**: L1
Ferromagnetic film **157/8**: 289, 480
167: 223
Ferromagnetic materials **152**: L282, 293
162: 43
167: 115
Ferromagnetic ordering **157/8**: 694
161: 282
Ferromagnetic ordering temperature **165**: 380
Ferromagnetic phase **167**: L7
Ferromagnetic resonance **157/8**: 281, 512, 533
159: L51
160: 63, 367
161: 65
164: 293
165: 199, 346, 465, 468
166: 6, 75, 277
168: 31
170: 22, 57
– frequency-swept **165**: 275
Ferromagnetic resonance absorption **155**: 289
Ferromagnetism **152**: 234
156: 89, 429, 431
159: L299
162: 189
163: 365
164: 53
165: 212
170: 228, 253
– liquid **159**: L313
– re-entrant **154**: 193
157/8: 641
162: 247
Ferromagnets **152**: 152
153: 115, 347
– amorphous **155**: 113
– two-dimensional **152**: 287
– uniaxial **153**: 189
Ferronematics **157/8**: 589
Fibonacci sequence **156**: 49
Field calculations **159**: 256
Field–temperature phase diagram **157/8**: 389
Film growth **163**: 378
165: 82, 195, 202, 216, 224, 250
– epitaxial **165**: 172, 356, 439, 496
– evaporation **165**: 301, 356
Film morphology **156**: 327
Films **157/8**: 299, 471
Fine cluster approximation **164**: 128
Fine particles **151**: 54
153: 11
154: 59
155: 31, 110, 117
157/8: 250, 264, 340
161: 209
162: 271
164: 241, 357, 357
165: 512
166: 374
168: 196
169: 289
170: 219, 339
Finemet **159**: L33
170: 211
Finite element method **155**: 40
160: 71, 96
First order magnetization process **157/8**: 87, 395, 643
Fisher–Kouvel exponent **161**: 203
Fluctuation field **153**: 302
Fluctuations
– conductance **151**: 369
– magnetic **170**: L248
Flux line lattice **157/8**: 671
Flux loss **157/8**: 63
Flux pinning **166**: 124
Fluxgate **157/8**: 424, 449, 565, 591
Fluxgate sensor **154**: 101
157/8: 442, 567
Flyability **155**: 329
Force theorem **159**: 337
Form factor **160**: 61
Formation mechanism **157/8**: 49
Foucault imaging **153**: 293
Fractal dimension **159**: 381
Fracton **163**: L5
Fredericksz transition **157/8**: 589
Free-powder magnetization **157/8**: 504
Frequency behaviors **160**: 63
Frequency dependent susceptibility **157/8**: 266
Friction **155**: 318
Frustration **151**: 225
162: 55
163: 137
167: 71
g-factor **152**: 116
157/8: 281
159: 166
164: 143
166: 231
Gadolinium ions **157/8**: 163
Garnet films **157/8**: 315
160: 25, 361, 363, 365, 367
163: 378

Garnets **151**: 181
154: 271
157/8: 309, 323, 471
168: 31
169: 56
– rare-earth ion **159**: 135
170: L243
– thin films **153**: 50
162: 235
– YIG **161**: 57
Gas-atomized powders **157/8**: 49
Generators **157/8**: 131
Getter anneal **157/8**: 661
Ginzburg–Landau theory **153**: 380
Glass coating technique **160**: 223
Glass crystallization **161**: 367
Glass film coating **160**: 123
Gradient **166**: 91
Grain alignment **157/8**: 19
Grain boundaries **155**: 234, 238
156: 83
160: 143
– interdiffusion **156**: 281
Grain orientation **153**: 224
Grain oriented silicon steel **160**: 55, 59, 98, 123, 131, 136, 167, 217
– ultra-thick gauge **160**: 123
– workability **160**: 123
Grain oriented steel **157/8**: 361, 455
Grain size **151**: 193
152: 265
154: 271
157/8: 209
160: 359
162: 291
164: 49
166: 243, 334
Grain structure **152**: 91
161: 287
Grains **157/8**: 309
Granular alloys **152**: 109
155: 352, 355
156: 77, 345, 383
159: L39
160: 335
163: L257
164: 91, 99
165: 320
166: 193, 283
167: 161
– insulated **156**: 311
Granular films **165**: 323, 326, 330
Granular layers **156**: 377, 379
Granular systems **159**: 119, 269
Granularity **157/8**: 579
Graphical programming **160**: 154
Grating **156**: 189
Green's function **168**: 94
– KKR **166**: 329
Grinding **151**: 167
Ground state **161**: 157
162: 259
165: 268
– stability **151**: 59
Growth direction **164**: 215
Gyromagnetic permeability **157/8**: 480
Gyromagnetism **157/8**: 289

Haldane gap **154**: 231
Hall effect **152**: 109
153: 124
155: 193
156: 247, 397
157/8: 205, 213, 675
159: 125, 192
161: 195
166: 193, 201
168: 213, 321
169: 151
– anomalous **165**: 349
– extraodinary **162**: 1
– planar **169**: 25
Hall probe **160**: 171
Hall sensor **157/8**: 440
Hamiltonian dynamics **155**: 37
Hard bubble suppression **160**: 365
Hard magnet **157/8**: 33, 385
Hard magnetic materials **157/8**: 35, 47, 51, 338
159: 207
162: 162, 301, 307
163: 32, 109, 373
164: L7
166: 243
168: 278
169: 69, 82, 135, 178, 193
170: 331
Hard materials **157/8**: 21
Hardness **162**: 280
Harmonic parameters **160**: 27, 31
HDDR **157/8**: 17, 23, 25, 54, 59, 99, 101
169: 69
Head–tape interface **159**: 249
Heat capacity **152**: 375
153: 379
154: 71
157/8: 561, 651
161: 249
164: L13
Heat treatment **152**: L275
154: 328
156: 291
157/8: 199, 201
160: 275

163: 327
164: 211
Heavy fermions **154**: 339
157/8: 700
170: L248
Heavy-fermion alloys **157/8**: 601
Heavy-fermion compounds **153**: 55
Heisenberg antiferromagnet **154**: 369
157/8: 583
Heisenberg chain **154**: 231
Heisenberg ferrimagnet **159**: 135
Heisenberg ferromagnet **154**: 221
162: 75, 91
163: 87
Heisenberg model **161**: 203
166: 59
167: 269
168: 257
169: 343
Helical phase **157/8**: 177
165: 168
Helical state **153**: 97
Helical structure **168**: 177
Helimagnetism **163**: L1
Hematite **153**: 127
170: 285
Henkel plot **154**: 254
Heusler alloys **151**: 202
159: 192
162: 107
163: 313
164: 381
167: L7
Heusler compounds **153**: 135
Hexaferrite **157/8**: 123, 258, 268, 311, 393, 465
High coercivity **157/8**: 31
167: 43
High frequency **157/8**: 461
High magnetic field **153**: 224
High pressure **151**: L19
156: 402
157/8: 381, 613, 669
167: 254
High speed induction motors **160**: 75
High temperature **157/8**: 453
High-coercivity materials **157/8**: 376
High-field magnetism **157/8**: 409
High-field transitions **157/8**: 85
High-pressure effects **161**: 169
High-T_C **157/8**: 663
High-T_C superconductivity **157/8**: 673
High-T_C superconductors **157/8**: 675
Hollandite **160**: 379
Hopkinson effect **163**: 327
Hot rolling **157/8**: 43
166: 165
Hot rolling process **160**: 129
Hubbard model **153**: 355
168: 25
170: 253
Hureaulite **167**: 87
Hybrid magnets **157/8**: 27, 550
Hybridization **151**: L13
152: 219
157/8: 169, 245
159: 179
166: 149
170: 29, 103
Hybridization effect **165**: 265
Hydrides **157/8**: 57, 119
167: 229
Hydrogen **167**: 93
Hydrogen absorption **166**: 149
Hydrogen absorption and desorption **160**: 261
Hydrogen decrepitation **157/8**: 15
Hydrogen-differential thermal analyser **157/8**: 17
Hydrogenation **157/8**: 127
166: 186
Hydrostatic pressure **157/8**: 601
Hydrothermal synthesis **157/8**: 493
Hyperfine electric field **161**: 184
Hyperfine fields **151**: 211
153: 195
154: 375
156: 45, 71, 289
157/8: 393
159: 55, 207, L318, 345
162: 103, 167
163: 109, 313
164: 175
166: 223, 334
169: 130
170: 189
Hyperfine interactions **153**: 379
167: 109
Hysteresis **154**: 279
155: 34
157/8: 33, 201, 205, 213, 353
160: 5, 271
163: 322
166: 315
– rotational **152**: 99
155: 16
162: 85, 239
– static scalar **160**: 89
– vector model **155**: 25
Hysteresis loops **151**: 259
152: L5, 201, 345
154: 17, 119, 249
155: 376
157/8: 171

159: L33, 269, 282
160: 33, 45, 47, 51, 84, 91, 157, 363
161: 287
162: 131, 177, 280, 362
163: 27
164: 18
166: 38, 111, 124, 253, 290
168: 278
169: 159, 199, 303
170: 57, 323

Hysteresis loss **157/8**: 366
160: 41
– rotational **155**: 242
Hysteresis model **155**: 13
157/8: 361, 366
160: 35, 96, 102
Hysteresis modelling **160**: 79

III–V compounds **161**: 282
Ilmenite ferrite **160**: 372, 374, 376
Imaging filter **159**: 401
Impurities **160**: 289
167: 99
Impurity band **154**: 37
Impurity effect **151**: 155
165: 301
In-plane field **157/8**: 357
Incommensurate **168**: 316
Incommensurate phase **153**: 202
Incommensurate structures **157/8**: 389
Inconel 600 **160**: 43
Induction **157/8**: 457
Induction machines **157/8**: 447
Inelastic neutron scattering **161**: 103
Influence of geomagnetism **160**: 177
Infrared modulator **159**: 342
Inhibitors **160**: 98, 125, 127
Inhomogeneity **157/8**: 303
Inner demagnetizing factor **160**: 261
Instability **157/8**: 309
Instrument current transformer **157/8**: 444
Insulating granular system **165**: 141
Interaction
– antiferromagnetic **154**: 83
– interchain **154**: 83
– interlayer **154**: 83
– interparticle **154**: 279
– magnetostatic **154**: 133
Interaction effects **155**: 31, 89, 95, 123, 176
– particle–particle **155**: 98, 341
Interactions **157/8**: 250
Intercomparison of magnetic measurements **160**: 115, 119
Interdiffusion kinetics **156**: 104, 281
Interface **154**: 17
156: 31, 67, 71, 83, 109, 117, 128, 177, 207, 215, 357
157/8: 293
164: 61
165: 205
– metal/semiconductor **165**: 237
– rough **155**: 358
Interface alloying **156**: 215
Interface anisotropy **157/8**: 245
Interface magnetic states **156**: 207
Interface magnetism **165**: 458, 471
Interface mode **170**: 22
Interface phenomena **157/8**: 287
Interface randomness **164**: 273
Interface roughness **154**: 165
156: 79, 109, 229, 287
161: 43, 49
165: 284, 288, 312, 458
Interface structure **156**: 202, 373
165: 237
166: 267
168: 43
Interfacial mixing **170**: L7
Interfacial phenomena **151**: 341
Interfacial rearrangements **156**: 357
157/8: 276
Intergranular coupling **155**: 172
Intergranular phase **162**: 307
Interlayer stress **157/8**: 211
Interlayer-spacing dependence **154**: L7
Intermediate valence **153**: 115
157/8: 677, 679
166: 149
Intermetallic alloys **159**: 223
Intermetallic compounds **151**: 259, 263
152: 196
153: 86, L255
154: 207
157/8: 81, 117, 383, 389, 647, 698, 723
159: 55, 223, 352
161: 118
162: 239
164: 305
167: 43, 109
– nitrides **157/8**: 103
Intermetallic valence **153**: 347
Intermetallics **157/8**: 407, 639, 692, 700
167: L185
Internal fixation plates **160**: 233
Internal friction **161**: 265
Interparticle interactions **161**: 94
Intersite interaction **167**: L1
Interstitial compounds **157/8**: 113, 115, 121
159: 71, 207
Interstitial hybrides **157/8**: 73
Interstitial modification **161**: 118

Interstitial nitrides **151**: L19
157/8: 103
162: 265
Interstitials **157/8**: 85
Intrinsic hysteresis **155**: 300
Intrinsic properties **157/8**: 43
Invar alloys **154**: 107
160: 253, 259
Inverse photoemission spectroscopy **157/8**: 287
Ion beam **156**: 61
Ion beam deposition **165**: 297
Ion beam mixing **165**: 237
Ion beam sputtering **165**: 504
Ion implantation **160**: 365
Ion irradiation **156**: 381
Ionizing irradiation **160**: 361, 365
Iron **155**: 67
157/8: 119
Iron film **155**: 49
157/8: 438
Iron loss **157/8**: 447
Iron nitride **159**: L8
Iron oxides **157/8**: 272
Iron oxohydroxide **161**: L6
Iron phosphate **167**: 57
Iron whiskers **160**: 19
Irreversible losses **157/8**: 45
Ising anisotropy **154**: L7
Ising antiferromagnets **152**: 129
Ising ferromagnet **168**: 105
Ising metamagnet **170**: 49
Ising model **153**: 195
154: 83
161: 148
162: 21, 230
168: 47
169: 335
– mixed-spin **151**: 45
– random-field **151**: 45
– transverse **152**: 311
Ising spin **162**: 211
Ising systems **154**: 221
– diluted **161**: 111, 148
163: 292
– mixed-spin **163**: 292
Isolated neuron **157/8**: 593
Isomer shift **154**: 375
163: 150
Isotopes **156**: 411
Itinerant electrons
– metamagnetism **163**: 199
Itinerant magnetism **154**: 107
157/8: 619, 702, 711, 721
159: 125
161: 169
162: 259
168: 213, 257

Jahn–Teller effect **153**: L260
157/8: 537
162: 277
Joule heating **160**: 247, 291
169: 303
– dc **160**: 271
– direct **157/8**: 63
Junction
– metal–insulator **166**: 71

Kerr effect **152**: 201
154: 141, 301
155: 376
157/8: 205, 213
159: 282
160: 191
163: 8, 267
164: 319
165: 92, 346, 487
166: 45
170: 57, L243
– enhancement **155**: 361
– magneto-optical **156**: 104, 139, 153, 158, 173, 175, 177, 179, 191, 197, 209, 211, 233
157/8: 171, 317
159: 81
161: 379
165: 38, 212
– polar **157/8**: 700
– transverse **157/8**: 438
Kerr ellipticity **156**: 158, 171, 191
165: 134
Kerr measurements **162**: 147
Kerr rotation **151**: 259
154: 12
156: 158, 171
161: 299
165: 484
169: 159
Kerr spectroscopy **165**: 401
Kinetic roughening **156**: 137
Knight shift **168**: 182
Kondo effect **156**: 389
164: L13
Kondo insulators **157/8**: 637
161: 157
Kondo lattice **157/8**: 613, 679, 681, 683, 685
159: 223
161: 103, 169
Kondo systems **163**: 184

Laminar effects **157/8**: 463
Laminates **156**: 17
Landau–Lifshitz equation **155**: 46
Langevin equation **164**: 133
168: 347
Laser **157/8**: 299
Laser ablation **157/8**: 258
Laser ablation deposition **157/8**: 531
Laser scribing **160**: 136
Lattice constant **154**: 365
169: 145, 240
Lattice parameters **152**: 383, 396
153: 135, 315
159: 142, 361
164: 154
165: 462
170: 168
Laves phase **157/8**: 413, 719
168: 182
169: 123, 130
170: 219
Laves phase compounds **157/8**: 651
162: 343
163: L1, 360
166: 149, 237, 249
Layered crystalline structure **160**: 374
Layered structures **161**: 49
Layered systems **159**: L17
Leakage fields **157/8**: 434
Lecithin **155**: 67
Length loss **155**: 335
Light modulation **161**: 22
Light modulator **157/8**: 438
Light wave propagation **156**: 184
Linear augmented plane wave **157/8**: 715
Linear muffin–tin orbital **151**: L1
164: 381
166: 223
Linewidth **157/8**: 281
Liquid gas atomization **157/8**: 51
Liquid phase epitaxy **160**: 361, 363, 365
Local density functional **167**: 123
Local energy fluctuations **155**: 168
Local environment effects **162**: 117, 189
169: 130
Local order **157/8**: 501
Local spin density approximation **151**: L1, 263
153: 323
159: L318
161: 184
165: 100
166: 303, 321, 329
168: 161
London penetration depth **153**: 311
London theory **151**: 246
Long period commensurate structures **157/8**: 389
Long range interactions **162**: 225
Long range magnetic order **157/8**: 715
160: 370, 382
Lorentz force **151**: 299
Lorentz microscopy **153**: 293
156: 43
157/8: 39
161: 235
Lorentz transmission electron microscopy **159**: L304
Loss angle **157/8**: 444
Loss separation **162**: 280
Losses **160**: 31, 33, 38, 49, 109, 151, 159, 174, 183, 185, 302, 315, 323, 329, 359
162: 60
– core **160**: 65, 201, 217
– frequency dependence **160**: 147, 287
– geometrical model **160**: 45
– improvement **160**: 287
– low **157/8**: 461
– measurement **160**: 65
– rotational **160**: 45, 102, 115, 145, 147, 180
162: 327
Low-dimensional antiferromagnet **157/8**: 669
Low-dimensional systems **151**: 290, 305
153: 366
157/8: 583
163: 365
Lubrication **155**: 332
Luminescence **157/8**: 563

Macroscopic quantum tunneling **157/8**: 419
Maghemite **161**: L6
Magnet **157/8**: 105
Magnetic aging **157/8**: 459
Magnetic alignment **157/8**: 83
Magnetic alloy **167**: 12
Magnetic annealing **157/8**: 156
Magnetic behaviour **157/8**: 163
Magnetic bistability **160**: 223
Magnetic bubbles **162**: 235
Magnetic circuit **157/8**: 65
Magnetic circuit dynamical modelling **160**: 47
Magnetic clusters **156**: 148
157/8: 272, 319
167: 123, 161
Magnetic contrast **151**: 249
Magnetic correlations **161**: 367
Magnetic coupling **167**: 161

Magnetic damping **157/8**: 145
Magnetic dilution **161**: 239
Magnetic dots **165**: 9, 500, 516
Magnetic entropy **152**: 22, 165
Magnetic excitations **154**: 339
Magnetic field **157/8**: 440
166: 91
– rotational **160**: 174
Magnetic field calculation **160**: 47
Magnetic field distribution **160**: 171
Magnetic field imaging **157/8**: 305
Magnetic field measurement **157/8**: 567
Magnetic field modulation **155**: 379
Magnetic field pulses **151**: L8
Magnetic field saturation **170**: 74
Magnetic film **157/8**: 303, 307
167: 34
Magnetic fingerprints **156**: 128
Magnetic fluids **151**: 299
152: 123
153: 359
154: 183
157/8: 587
159: L45, 236, 367
161: 309
162: 319
164: 390
166: 374
169: 220, 323
170: 235, 298, 309
Magnetic force microscopy **157/8**: 545, 555, 557
161: 385
165: 520
Magnetic form factor **157/8**: 708
Magnetic frequency multiplier **160**: 201
Magnetic frustration **167**: 57
Magnetic garnet **157/8**: 279
Magnetic hardening **155**: 113
Magnetic hardness **163**: 397
Magnetic hysteresis **157/8**: 347, 635
Magnetic hysteresis parameters **157/8**: 264
Magnetic imaging **156**: 94, 197
159: 109
160: 162
Magnetic imaging techniques **157/8**: 545
Magnetic impurities **157/8**: 725
Magnetic inhomogeneity **167**: 200
Magnetic interactions **151**: 102
154: L7, 183, 254
155: 157, 179, 182, 190, 196
157/8: 529
Magnetic liquid **157/8**: 599
Magnetic loss **157/8**: 455, 541
Magnetic measurements **157/8**: 569
160: 154, 159, 165, 197, 199
Magnetic moments **151**: 211, 221, 354
152: 305
153: 241, 273, 279
154: 339
156: 99
157/8: 696
159: L318
161: 89, 127, 181, 184, 270
163: 125, 184
164: 119, 154, 327
166: 6, 223
167: 93, 259
168: 15, 129
169: 240
170: 201, 228
– atomic **162**: 259
– calculated **153**: 195, 355
– calculations **151**: L1, 202
– dynamics **155**: 46
– induced **165**: 234
– large **156**: 427
– local **151**: L19
152: 86
153: 355
159: L313
166: 329
– orbital **168**: 161
– reduced **165**: 165
– spin **168**: 161
– surface **165**: 56
Magnetic multipole moments **157/8**: 579
Magnetic noise **154**: 101
159: 249
Magnetic ordering **153**: 184, 235
157/8: 581, 665
159: 324
160: 379
161: 37, 89, 249
164: 183, L263
165: 42, 52, 450
166: 361
167: 47
170: 143
– antiferromagnetic **153**: 86, L255, L260, 273
157/8: 491
– ferromagnetic **152**: 196
161: L11
– long range **154**: L7, 12
159: 223
– longitudinal **153**: 246
– multilayers **154**: 301, 321
– pressure induced **164**: 335
– short range **154**: 17
Magnetic ordering temperature **161**: 177
Magnetic particles **155**: 70
164: 77
169: 323

– acicular **155**: 89
– fine **161**: 337
– size **153**: 35
Magnetic polaron **169**: 39
Magnetic powders **159**: 147
Magnetic probes **157/8**: 434
Magnetic properties **156**: 27, 104
157/8: 95, 153, 189, 207, 211, 239, 383, 387, 463, 493, 624, 647, 649, 692
168: 64
Magnetic recording **155**: 179, 190, 250, 341
157/8: 270, 577
159: 395
163: 393
– data layer **155**: 345
– digital **155**: 266
159: 406
– disk **155**: 329
– head **155**: 329
– high density **155**: 140, 202
161: 316
– in-plane **151**: L8
– longitudinal **155**: 132, 196
– perpendicular **151**: L8
155: 132, 212, 219, 225
157/8: 262
159: 401
– read signal **155**: 338
– servo layer **155**: 345
– servo pattern **155**: 345
– transition noise **155**: 338
– transverse head **155**: 345
Magnetic recording head **163**: 397
– inductive **165**: 363
Magnetic recording materials **167**: 166
Magnetic recording media **152**: 253, 411
155: 132, 253, 273
157/8: 256, 266
159: 238, 249, 381
161: 316, 357, 367, 376
162: 122
164: 401, 411
166: 253
168: 222
– bilayer **155**: 182
– disk **155**: 338
– double layered tape **155**: 279
– flexible **155**: 312
– high density **155**: 209
– high density tape **155**: 83
– isotropic **155**: 216
– longitudinal **155**: 146, 209, 216, 256
– ME tape **155**: 80, 286, 289
– MP tape **155**: 60, 80, 286
– noise **155**: 238, 338, 341
– particulate **155**: 86, 89, 123
– particulate magnetic tapes **155**: 83
– perpendicular **155**: 154, 231
– sputtered discs **155**: 164
– tape **155**: 6, 80, 126, 309
– thin film **155**: 157, 172, 228, 234, 238, 242, 246, 338
– thin layer tape **155**: 80
– tilted **155**: 289
– ultrahigh density **155**: 151
– video tape **155**: 107
Magnetic refrigeration **163**: 103
Magnetic relaxation **157/8**: 183, 266, 351
160: 63
161: 133
162: 211
– frequency measurements **160**: 386
Magnetic resonance **151**: 189
152: 183
156: 207
161: 22
167: 129
169: 323
Magnetic response **157/8**: 285
Magnetic reversal process **165**: 87
Magnetic scattering **166**: L1
Magnetic semiconductors **157/8**: 475, 561
159: 342
160: 21
– diluted **161**: 231
Magnetic sensors **157/8**: 424, 436
Magnetic sheets **168**: 121
Magnetic soliton **164**: 105
Magnetic spectrum **164**: 219
Magnetic state
– inhomogeneous **153**: 151
Magnetic steel **168**: 121
Magnetic storage **155**: 161
Magnetic storage media **163**: 232
Magnetic storage pigments **162**: 377
Magnetic structure **151**: 123, 189, 417
152: 33
153: 55, 202
155: 70, 306
156: 55
157/8: 465, 523
159: 201, 238
161: 139, 270
162: 347
164: 233, 377
165: 62
166: 27, 117, 133, 165, 321
167: 71, L185
168: 25
169: 253, 271
170: 143, 155

– incommensurate **159**: 227
167: 52
– noncollinear **153**: L255
154: 54
157/8: 619
– nonlinear **166**: 303
Magnetic structure calculations **157/8**: 417
Magnetic susceptibility **157/8**: 559, 601, 637, 677, 688
160: 63, 141, 279, 281, 295
161: 220
Magnetic transition **156**: 153, 421, 425
157/8: 371
169: 271
170: 201
Magnetic treatment **162**: 139
Magnetic valence **151**: L13
Magnetic viscosity **155**: 6, 52, 364, 367
164: 385
Magnetic vortex **161**: L17
162: 91
Magnetically induced super resolution **155**: 385
Magnetite **157/8**: 415, 589
161: L6
165: 401
168: 203
Magnetization **151**: 178, 207, 290
152: L1, 201
153: 5, 132, 141, 189, 337, 380
154: L7, 24, 101, 160, 296, 365
156: 104, 130, 145, 337
157/8: 35, 91, 127, 149, 177, 197, 231, 405, 407, 601, 611, 631, 633, 637
159: 119, 147, 175
160: 84, 189, 266
161: 143
162: 117, 167, 183, 265, 301, 331
163: 221, 243, 345, 353, 365
164: 37, 319, 327, 371, 377
165: 9, 165, 205, 258, 352
166: 53, 82, 133, 211, 237, 334, 365
167: 249, 264
168: 9, 43, 309
169: 303
170: 179, 201
– antiparallel **156**: 325
– change under stress **160**: 57
– component **166**: 290
– composition dependent **151**: 150
152: 370
154: 201
– concentration dependent **154**: 12
– deposition-angle dependent **154**: 249
– high field **154**: 96
159: 64, 357
163: 199
166: 141
170: 223
– induced **156**: 128
165: 96
– interface **153**: 11
– irreversible **152**: 54
161: 303
163: 299
164: 385
– perpendicular **156**: 87
159: L293
162: 1
– remanent **152**: 353, 411
162: 38
– reversible changes **160**: 57
– rotational **160**: 17, 55, 180
– saturation **153**: 11, 28, 279
154: 207, 355
157/8: 233, 321
159: L8, L39, L51, 55, 142
160: 363
161: 177
162: 1, 29, 50, 85, 122, 202, 259
163: 193
164: 49, 219
165: 424
166: 186
167: 237
168: 85, 292
169: 114
170: 57, 331, 339
– spontaneous **154**: 351
159: L309
162: 75, 253
163: 87
– sublattice **168**: 94
– temperature dependence **163**: 339, 349
165: 230
– temperature dependent **152**: L279, 287
153: 241
154: 12, 37, 54
159: 95
162: 75, 253
164: 256
– thermo-remanent **164**: 345
– thickness dependent **154**: 249
166: 59
– time dependent **155**: 196, 364

Magnetization curves **153**: 311
156: 130
164: 183
Magnetization direction **159**: 395
Magnetization distribution **154**: 213
162: 189
164: 66
Magnetization jumps **163**: 322
Magnetization measurements **151**: 115, 132
152: 75, 174, L279
153: 75, 273
157/8: 723
161: 255
Magnetization mechanisms **157/8**: 258
160: 329
Magnetization pause **160**: 33
Magnetization processes **153**: 320
155: 22, 34
157/8: 21, 25, 67, 93, 143, 347, 355, 399, 457, 690
159: 64, 81
160: 35, 191, 273
161: 303
163: 75
164: 163
165: 38
168: 121
169: 89
170: 317
Magnetization profile **155**: 303
Magnetization quantum tunneling **157/8**: 266
Magnetization relaxation **164**: 345
Magnetization reversal **151**: L8, 38
152: 99
155: 187, 193, 286
156: 197
157/8: 97, 309, 373
160: 35
161: 323
162: 369
163: 8, 75
165: 487, 492, 496, 512
168: 85
169: 159
Magnetization reversal mechanism **159**: L304
Magnetization rotation **151**: L8
166: 290
169: 199
Magneto-optical effects **162**: 69
163: 378
165: 134
Magneto-optical investigation **162**: 369
163: 21
Magneto-optical media **156**: 309
Magneto-optical micromagnetometer **157/8**: 297
Magneto-optical microscopy – near-field **157/8**: 545
Magneto-optical properties **151**: 181
152: 401
155: 373
157/8: 279
165: 346, 398
Magneto-optical recording **153**: 380, 389
154: 271
155: 379, 382, 389
156: 283
162: 362
168: 336
Magneto-optical recording media **152**: 243, 417
155: 370, 376
162: 383
169: 350
Magneto-optical spectra **160**: 335
165: 320
Magneto-optical technique **160**: 19, 157
Magneto-optics **152**: 17
153: 397
154: 141
155: 361, 364, 367
156: 81, 153, 167, 169, 171, 177, 189, 213, 283, 296
157/8: 243, 256, 283, 563
162: 131
163: 8, 331
165: 92, 417, 421, 516
166: 374
167: 223
Magnetoabsorption **165**: 125
Magnetoacoustic noise **161**: 292
Magnetoacoustic properties **157/8**: 482
Magnetoacoustic wave **157/8**: 477
Magnetocaloric effect **167**: L179
170: 223
Magnetocrystalline anisotropy field **157/8**: 83
Magnetodielectric anisotropy **161**: 309
Magnetoelastic coupling **157/8**: 539
Magnetoelastic effect **157/8**: 378
159: L11
162: 112
Magnetoelastic interactions **164**: 172
Magnetoelastic properties **157/8**: 181
Magnetoelastic sound generation **157/8**: 229, 482
Magnetoelasticity **151**: 33
153: 63
157/8: 145, 156, 543
161: 292

Magnetoelastics **152**: 226, 231
166: 91
Magnetoelectric effect **152**: 191
157/8: 391
160: 384
Magnetoimpedance **157/8**: 137, 141
– giant **157/8**: 432
160: 241, 243, 313
163: 132
169: 89
Magnetomechanical measurements **160**: 11
Magnetometer **157/8**: 567
Magnetometric circuit **157/8**: 565
Magnetometry **157/8**: 442, 499, 571
Magnetoresistance **151**: 24, 95, 388, 396, 403
152: 317
153: 97
154: 24
156: 65, 69, 287, 299, 315, 335, 350, 353, 359, 369, 373, 379, 381, 383, 391, 402, 405
157/8: 276, 291, 395, 675, 685, 690, 698
159: 223
160: 343
161: 189
162: 38
163: 21, 75
164: 43
165: 34, 108, 338, 342, 349, 352, 360, 377, 380
166: 201
167: 200
168: 1
169: 98
– anisotropic **156**: 369
165: 275
– anisotropy **154**: 175
– colossal **159**: L299
168: L237
– current perpendicular to plane **156**: 11
165: 115
170: L1
– giant **151**: 139, 315, 324, 333, 341, 354, 363, 369, 374, 378, 411
152: L5, 109
153: L260
154: 165, 175, 296
155: 161, 358
156: 1, 11, 15
157/8: 153, 260, 319, 401
159: L17, 95, 119, 233, 269
160: 347, 354
– giant CCP **161**: 43
– giant granular **162**: 29
– giant perpendicular **164**: 49, 91, 99, 273, 284, 293
– microwave **165**: 17, 23
– oscillatory **166**: 65, 75, 193, 261, 267
– perpendicular **167**: 12
168: 35, L233
170: L1, 67, 74
– response **159**: L287
– spin tunneling **165**: 208
– thickness dependent **165**: 356
Magnetoresistive devices **165**: 275
Magnetoresistive element **164**: 37
Magnetoresistive hysteresis **151**: 333
Magnetoresistors **156**: 317
Magnetostatic forward volume waves **155**: 187
Magnetostatic interactions **166**: 71
Magnetostatic waves **164**: 49
Magnetostatics **156**: 369
161: 397
Magnetostriction **165**: 104
157/8: 424
167: 223
154: 263
163: 39
152: L282
155: 92
151: 33, 59
152: 226, 231, 379
156: 67, 309, 425
157/8: 133, 137, 147, 151, 181, 193, 201, 209, 451, 457, 501, 508, 516, 521, 527, 533, 535, 659
159: L11, 81, 331
160: 11, 33, 53, 55, 109, 149, 167, 233, 243, 257, 275, 284, 293
162: 343
163: 360
164: 208, 215, 367
165: 414, 475
166: 249
167: 245
168: 18, 169, 309, 316
169: 89, 169
170: 335
– low **155**: 231
Magnetostriction coefficient **170**: 103
Magnetostriction constants **157/8**: 537
Magnetostrictive bending **168**: 18
Magnetothermopower **157/8**: 698
Magnetotransport **164**: 284
Magnetotransport properties **160**: 347, 354

Magnetovolume effect **157/8**: 381, 677
Magnets **157/8**: 45, 49, 51, 54, 101
Magnons **153**: 366
157/8: 484
163: 137
Maleev anisotropy **157/8**: 525
Manganates **157/8**: 291
Manganese ions **157/8**: 239
Manganese oxide **167**: 200
Manganites **159**: L299
168: L237
Matteucci effect **157/8**: 329
160: 194
Mean field **169**: 199
Mean field analysis **157/8**: 241
164: 197
Mean field approximation **154**: 37, 71, 83
162: 50
163: 153
– local **161**: 111
Mean field calculations **151**: 54
Mean field theory **152**: 293, 417
153: 5
162: 43, 362
163: 349, 353
Mean induction **160**: 29
Measuring instruments **157/8**: 559
Measuring methods **157/8**: 369
Mechanical alloying **157/8**: 7, 15, 61, 79, 233, 235
164: 219
169: 135
170: L17
Mechanical alloys **166**: 216
Mechanical deformation **163**: 103
Mechanical properties **160**: 133, 199, 291, 315
Mechanochemical processing **162**: 271
Meissner effect **153**: 311
Melt-spinning **162**: 55
164: 99
168: 278
169: 303
Melt-spun alloys **166**: 243
Melt-spun ribbons **167**: 65
Memory
– solid state **155**: 161
Memory elements **156**: 405
Metal evaporated tape **155**: 261, 266, 273, 276, 279, 284, 292, 297, 300, 303, 306, 309, 323
161: 357
Metal pigment **155**: 77
Metal–insulator transition **159**: L299
Metal-bonded magnet **157/8**: 105
Metal/semiconductor/metal structure **156**: 219
Metallic glasses **152**: 191
157/8: 141, 179, 543
160: 119, 217, 229, 253, 255, 261, 269, 275, 284, 289, 293, 295, 297, 299, 302, 305, 309, 311
163: 345
– containing Ti **160**: 210
– thin layer **160**: 289, 333
Metallic systems **167**: 161
Metallorganic decomposition **151**: 173
Metamagnetic transition **157/8**: 667, 704
Metamagnetics **157/8**: 405
Metamagnetism **154**: 355
165: 272
166: 133, 172
168: 129, 309
169: 229
Metastable magnetic phases **167**: 136
Metastable phases **154**: 107
160: 229
164: L7
Metglas **157/8**: 531
Micro-segregation **155**: 154
Microcrystalline alloys **168**: 203
Microemulsion **163**: 243
Microgravity **170**: 309
Microlithography **151**: 333
Micromagnetic calculations **151**: 231
153: 35
Micromagnetic models **155**: 266
161: 385
Micromagnetic simulations **165**: 5
Micromagnetic structure **151**: 193
Micromagnetics **155**: 37, 40, 49, 193, 389
165: 9
Micromagnetism **152**: 99, 234, 253, 365
156: 145
157/8: 363
163: 285
168: 321, 347
Microscope
– magnetic **155**: 55
Microscopic properties **155**: 55
Microscopy **155**: 348
– atomic force **155**: 318
– magnetic force **155**: 212
– scanning probe **155**: 55
Microstructure **151**: 139
152: 345
153: 246, 265
154: 175
155: 154, 202, 206, 222, 284, 309
156: 31, 61, 65
157/8: 37, 54, 95, 153

159: 238, 381
160: 141, 251, 279, 281, 343
161: 235, 323, 357
162: 139, 291, 307
163: 232, 378
164: 18, 256, 411
166: 216, 283
168: 35
169: 135, 193
170: 289

– compositional **168**: 222
– magnetic **170**: 81
– segregated **168**: 222
Microstructured substrate **156**: 11
Microstructured system **156**: 135
Microstructures **165**: 516
Microtribology **155**: 318
Microwave **153**: 50
157/8: 727
Microwave absorption **151**: 189
Microwave applications **157/8**: 471, 480
Mictomagnetism **154**: 193
MIG heads **157/8**: 297
Milling **162**: 139, 271
Milling processes **157/8**: 117
Minor loops **157/8**: 366
Mixed valence **160**: 376, 379
Mixed-valence compounds **164**: L268
Model **166**: 91
Modelling **157/8**: 363
163: 207, 225
165: 492
Molecular beam **168**: 64
Molecular beam epitaxy **151**: 95
154: 301
156: 15, 31, 63, 69, 209, 306, 399, 431
Molecular field theory **151**: 82
152: 70, 208
154: 221
170: 184
Molecular magnetic materials **153**: 184, 235
Molecular magnets **162**: 338
Molecular structure **155**: 73
Molecular-based magnets **157/8**: 417
Monatomic layer deposition **156**: 7
Monocrystal **161**: 139
Monocrystalline **162**: 277
Monopnictides **166**: L1
Monte Carlo calculations **157/8**: 250
Monte Carlo method **154**: 183
Monte Carlo simulation **152**: 139
155: 70
157/8: 345, 351
162: 139, 225
169: 169
Morphology **165**: 258
Mössbauer effect **154**: 207
156: 41, 181, 195, 235
157/8: 173
159: 345
161: 49
162: 103
168: 299
Mössbauer spectrometry **165**: 208, 216, 220, 405, 411
Mössbauer spectroscopy **151**: 115, 145, 163, 167, 211, 221
152: 33, 61, 75, 174
153: 75, 337
154: 375
155: 104, 129, 355
156: 45, 47
157/8: 161, 317, 413, 519, 653, 655
159: 147, 375
160: 229, 255, 277, 281
161: L6, 255
162: 55, 85, 162, 167, 183, 271, 331
163: 109, 150, 173, 193, L257, 353
164: 305, 327, 357
166: 283, 334
167: 105, 241
168: 203, 278
169: 56, 82, 130, 145
170: 189, 201
– conversion electron **156**: 191
161: 49
– conversive **160**: 361
– RE–TM compounds **157/8**: 510
– transmission **162**: 122
Mössbauer study **167**: 93
Motors **157/8**: 131
Multicritical point **168**: 105
Multilayer structures **157/8**: 285
160: 347, 349, 351, 354, 357
Multilayer thickness **168**: 43
Multilayers **151**: 374, 378, 388
152: 417
153: 5, 11
154: L1, L7, 24, 165
155: 216, 361
157/8: 276, 293, 301, 317, 331, 461
159: L1, 175, L287
162: 1, 7, 131, 183, 383
163: 27, 75, 267
164: 37, 61, L263, 273, 284, 293, 411

165: 17, 34, 52, 82, 96, 104, 108, 153, 157, 165, 205, 230, 280, 284, 304, 334, 346, 356, 363, 367, 405, 408, 431, 468, 471
166: 27, 38, 75, 261, 267, 277
167: L189
168: 43, 47, 55, L233
169: 159
170: L7, L13, 74, 95
– 3d–metal **156**: 429
– Co/Cu **161**: 31
– films **155**: 176
– interlayer **155**: 146
– intermediate layer **155**: 146
– magnetic **152**: 27
155: 199, 389
157/8: 283, 730
161: 43, 65, 133, 299
162: 29
167: 12
– MBE-grown **157/8**: 730
– metallic **151**: 24, 139, 333, 363, 369
152: 27
153: 355, 397
157/8: 313
162: 38
165: 100, 208, 216, 234, 254, 288, 292, 301, 338, 342, 349, 360, 383, 387, 391, 424, 462
– seed layer **155**: 146, 164
– sputtered **168**: 15
– transition metal **151**: 315
– underlayer **155**: 146
Multistepped hysteresis **156**: 306

Nanocluster **157/8**: 661
Nanocomposite **167**: 65
Nanocomposite magnets **157/8**: 29, 331
161: L1
168: 278
Nanocrystalline **157/8**: 11, 193, 213
Nanocrystalline alloys **154**: 54
157/8: 147, 195, 197, 207
159: L321
160: 249, 251, 257, 259, 266, 269, 271, 273, 275, 277, 279, 281, 284, 287, 295, 333
167: 241
Nanocrystalline materials **152**: 91, 353, 359, 365
153: 28, 35
157/8: 61, 133, 151, 189, 235, 529
162: 95
164: 211, 219, 256
166: 334
– alloys **153**: 315
Nanocrystalline microwires **160**: 223
Nanocrystalline structure **157/8**: 321
Nanocrystallization **157/8**: 209
164: L7
Nanocrystallization modelling **160**: 263
Nanocrystals **157/8**: 159, 203, 205
Nanofabrication **151**: 333
Nanolaminate **156**: 17
Nanomagnets **157/8**: 7
Nanoparticles **152**: 61
153: 337
155: 67
162: 327, 331
163: 103, 243
164: 411
165: 42
168: 85, 269
169: 56, 220
Nanoscale **156**: 123
Nanoscale particles **167**: 115
Nanostructures **151**: 324
153: 315
156: 139
157/8: 79
165: 23, 38, 42, 316
– transition metal **165**: 272
– wires **151**: 388, 396
Nanotechnology **155**: 151
Nanowires **156**: 315, 317
159: L287
164: 77
165: 30, 34, 352
Nd–Fe–B magnets **157/8**: 45, 54, 65
Near-stoichiometric NdFeB **157/8**: 59
Néel temperature **152**: 86
154: 355, 369
157/8: 669
159: L23
165: 462
Néel vector **157/8**: 340
Negative differential resistance **156**: 276
Neodymium **157/8**: 119
Neural networks **160**: 84
– performance predictions **160**: 81
Neutron depolarization **152**: 326
155: 70, 86
157/8: 183, 525, 575
161: 357, 367
162: 55, 139
Neutron diffraction **151**: 102, 123
152: 174, 341

153: 55, 202, L255, L260, 273
154: 29, 355
156: 263
157/8: 655, 683, 708
159: 324
160: 370, 382
161: 127, 270
162: 347
163: L1, L251, 365
164: 154, 183, 371
166: 27, 117, 133
167: 71
168: 139
169: 123, 253, 279
170: 143, 155

Neutron powder diffraction **169**: 271
Neutron reflection
– polarized **152**: 305
Neutron reflectometry **156**: 53, 55
165: 475
Neutron refraction **152**: 305
Neutron scattering
– diffuse **154**: 339
169: 279
– inelastic **152**: 10
154: 71, 339
162: 75
– quasielastic **169**: 279
– small angle **155**: 219, 306
Nitrides **157/8**: 76
Nitriding **157/8**: 101
Nitrogenation **157/8**: 117
169: 350
NMR **154**: 160, 351
156: 29, 38, 89, 335
157/8: 186, 393, 411, 657, 681
163: 393
164: 37, 175
165: 292
166: 141
168: 182
170: 277
– spin echo **157/8**: 71, 109
159: 207
NMR experiments **157/8**: 717
NMR saturation **157/8**: 359
NMR spectroscopy **157/8**: 220
Noise **152**: 253, 317, 411
155: 19
157/8: 424
159: 381, 395
165: 360
– medium **155**: 212
– particle length **155**: 335
Noise power **155**: 28

Non-Fermi-liquid behavior **157/8**: 601
Noncollinear antiferromagnet **157/8**: 733
Noncollinear order **156**: 227
Noncollinear structure **157/8**: 241, 349, 411
Nondestructive evaluation **157/8**: 571
Nondestructive testing **160**: 43, 162
Nonlinear differential equations **157/8**: 727
Nonlinear instability **164**: 390
Nonlinear model **160**: 94
Nonlinear radiation damping **161**: 275
Nonlinearity **167**: 223
Nuclear orientation
– low temperature **165**: 408
Nucleation **156**: 151
165: 492
168: 9, 203
Nucleation of reversed domains **157/8**: 338
Numerical methods **160**: 5, 94
Numerical micromagnetics **157/8**: 331
Numerical modelling **156**: 51
Numerical simulations **161**: 337

Oblique easy axis **155**: 276, 300
Oblique evaporation **155**: 261
Offset thermostability **157/8**: 442
One-dimensional systems **157/8**: 421
Optical absorption **161**: 57
Optical activity **156**: 186
Optical anisotropy **159**: 367
Optical constant **162**: 131
Optical Kerr microscopy **159**: L304
Optical reflectance **165**: 301
Optical tensors **156**: 186
Optics **157/8**: 243
163: 331
Orbital moments **159**: 55
Order from disorder **157/8**: 336
Order–disorder transformation **156**: 237
Ordered alloy **156**: 7
165: 128, 176
Organic compounds **157/8**: 581
Organic conductor **157/8**: 550
Organo-silicon polymer **166**: 91
Organometallic compounds **151**: 67
Orientation **155**: 95, 126, 129
157/8: 597
– preferred **155**: 256
Orientational transition **167**: L189
Oriented steels **157/8**: 463
Orthoferrites **152**: 75
157/8: 496
160: 370
168: 139
Orthogonal magnetization **157/8**: 591
Overlayer **165**: 265
– wedge **165**: 134
Oxidation protection **155**: 101

Oxide glasses **157/8**: 165, 239
Oxide superconductor **157/8**: 669
Oxygen pressure **163**: 378
Oxygen vacancies **154**: 37
Oxygen-reduction–diffusion synthesis **157/8**: 73

p–f mixing **167**: L1
Pair reorientation model **157/8**: 541
Parallel transport **156**: 387
Paramagnet **170**: 223
Paramagnetic effect **153**: 311
Paramagnetic range **157/8**: 563
Paramagnetism **151**: 283
152: 183
157/8: 272
162: 189
166: 97
Parametric excitation **161**: 275
Parametric method **163**: L264
Partial crystallization **157/8**: 217
Partial-response maximum-likelihood system **157/8**: 262
Particles **152**: 61, 99
155: 101
157/8: 97, 270, 597
– alignment **169**: 114
– clusters **154**: 133
– ferrite **155**: 86
– ferromagnetic **163**: L257
166: 91
– inertia **164**: 133
– iron **162**: 377
– length **155**: 335
– magnetic **155**: 107
– metal **155**: 120
– nanometer-sized **161**: L6
– packing factor **155**: 92
– secondary **154**: 183
– single-domain **151**: 38
154: 254
157/8: 97
– size **154**: 183, 365
155: 104
157/8: 23
– size distribution **155**: 60
159: 367
163: L257
– statistical behavior **155**: 34
– sub-micrometric **164**: 77
– ultrafine **151**: 163
155: 104
164: 401
Pauli magnetism **153**: 86
Peak magnetic field **157/8**: 455
Pendulum magnetometer **157/8**: 127
Percolation threshold **161**: 231
Periodic bicrystallinity **165**: 1
Periodic corrugation **161**: 199
Permalloy **157/8**: 555
161: L17
165: 500
170: L1
Permanent magnet materials **157/8**: 71, 109
Permanent magnetism **157/8**: 713
Permanent magnets **151**: 145
152: 353
153: 224, 302
154: 328
157/8: 15, 19, 31, 37, 41, 43, 59, 65, 69, 76, 93, 97, 99, 113, 115, 117, 131, 369, 521
159: 109, 345, 352
161: 235
166: 165
167: 80
170: L17, 289
– rare earth **153**: 35
Permeability **153**: 184
154: 101
157/8: 223, 289
162: 280, 291
169: 105
– complex **163**: 327
168: 285
– frequency dependence **160**: 245, 311
– initial **168**: 292
Permeability disaccommodation **157/8**: 123
Permeability tensor **160**: 17
Permittivity **161**: 309
167: 274
Perovskite **153**: L260
157/8: 260, 291
164: L268
165: 377
Perovskite structure **152**: L5, 33
157/8: 491
166: 117
167: 200
168: 1, 309
Perturbed angular correlation **156**: 71
Perturbed angular correlation spectroscopy **165**: 462
Phase angle **157/8**: 444
Phase diagrams **151**: 45, 123, 305
152: 129
153: 86, 127, 151, 207
156: 153
161: 148, 249
164: 128, 175
165: 70, 471

166: 207
168: 47, 105
170: 49
– magnetic **154**: 107
157/8: 349
162: 189
169: 151, 343
170: 110, 253
Phase segregation **159**: 71
165: 330
Phase separation **154**: 66
168: 187
Phase transformation **165**: 446
Phase transitions **151**: 225, 249
152: 165, 208
156: 362, 421
157/8: 489
165: 70
167: L7, 34
168: 309
– ferro–antiferromagnetic **166**: 207, 211
– ferro-paramagnetic **159**: 192
– field induced **153**: 97
156: 191
163: 199
– first order **153**: 127
166: 237
– magnetic **153**: 202
157/8: 81, 167, 401, 539, 569, 706
159: L33, 142, 159, 192
160: 376
161: 203, 265, 282
163: 87, 96, 117
164: 143, 147, 154, 225, 305
169: 151, 335
170: L17, 228
– metamagnetic **151**: 273
153: 207
– para–ferromagnetic **166**: 97
– pressure **166**: 211
– structural **152**: 159
153: 151
Phosphate **167**: 87
Photo-EMF **157/8**: 473
Photoconductivity **157/8**: 473
Photoelectron emission **162**: 7
Photoelectron spectroscopy **170**: L13
Photoemission **156**: 259
159: 103
165: 180
170: 29
Piezomagnetic coefficient **157/8**: 181
Pinning **163**: 322
Pinning centres **168**: 154
Pinning sites **169**: 178
Pitch **167**: 115
Planar rotator systems **162**: 225
Planar structures **157/8**: 482
Planar waveguides **157/8**: 283
Plane polarization **159**: 342
Plasma diagnostics **165**: 246
Plastic deformation **157/8**: 459
Playback spectrum **157/8**: 297
Polariton **167**: 149
Polarizability **157/8**: 484
Polarization
– magnetic **151**: 207
157/8: 453
Polarization effects **166**: 374
Polarized neutron diffraction **156**: 325
Polarized neutron reflectometry **155**: 303
156: 53, 87
157/8: 317
165: 46, 157, 479
Polarized neutron study **166**: 349
Polaron **167**: 200
Pole density distribution **155**: 256
Polyacrylates **161**: L6
Polydispersity **154**: 66
Polymers **153**: 184
157/8: 508
– metallic **152**: 139
Polynuclear compounds **157/8**: 595
Position measurement **157/8**: 438
Powder suspension **167**: 166
Powder X-ray measurements **157/8**: 499
Power converter **160**: 49
Power ferrites **157/8**: 366
Power supplies **160**: 323
Preisach model **155**: 13, 22, 25
157/8: 217
160: 51, 87
Pressure effects **154**: 201
156: 417
157/8: 81, 677, 702, 711
163: 117
166: 207
169: 229
Protection layer **155**: 261
Pseudo-epitaxial growth **156**: 375
Pseudobinary compound **163**: 360
Pseudobinary compounds **151**: 59
Pulsed fields **157/8**: 573
Pulsed laser deposition **152**: 401
157/8: 291
159: 269
163: 378
165: 172, 202, 246, 330
Pure phase preparation **159**: L8

Quadrupolar interactions **161**: 220
Quadrupole splitting **154**: 127, 375

Quantum disorder **156**: 433
157/8: 336
Quantum fluctuations **156**: 433
157/8: 336
Quantum magnetic disk **155**: 151
Quantum Monte Carlo effect **156**: 389
Quantum size effect **156**: 158, 171, 287
164: 27
Quantum statistical theory **164**: 91
Quantum tunneling **151**: 396
154: 133
156: 135, 141, 205
157/8: 340, 635
– macroscopic **156**: 145
Quantum well **154**: L1, 321
156: 128, 153, 158, 165, 171, 193, 259
Quantum well model **165**: 370
Quasi-one-dimensionality **157/8**: 733
Quasicrystals **151**: 155
Quasiperiodic superlattices **156**: 49
Quasistochastics **157/8**: 357

Radial orientation **157/8**: 41
Radiation defects **157/8**: 279
160: 361
Radiothermal synthesis **154**: 365
Raman scattering **157/8**: 484
Random bond model **160**: 372
Random fields **151**: 225
Random systems **157/8**: 421
Rapid solidification **157/8**: 37, 432
161: 235
Rapidly quenched flakes **157/8**: 105
Rapidly quenched powder **157/8**: 63
Rare earth **156**: 81, 141, 263, 425
157/8: 173
166: 297
Rare earth alloys **163**: 103
169: 253
170: 228
Rare earth compounds **152**: 219
154: 29, 96
157/8: 659, 665, 675, 719
159: 357
167: 80
– hexagonal **167**: 52
Rare earth doping **163**: 339
Rare earth intermetallics **161**: 255
Rare earth ion **157/8**: 496
Rare earth magnets **157/8**: 11, 57
Rare earth metallic compounds **161**: 239
Rare earth metals **152**: 208
161: 245
Rare earth oxides **157/8**: 491
Rare earth paramagnets **154**: 333
Rare earth permanent magnets **152**: 40, 47, L275
157/8: 1, 7
Rare earth single crystals **153**: 379
Rare earth ternary alloys **151**: 150
Rare earth ternary compounds **152**: 22, 75, 183, 243, 375
153: 75, 273, 329
157/8: 387
Rare earth–intermetallic alloys **151**: 167
Rare earth–intermetallic compounds **151**: 111
152: 379
153: 17, 107, 207, 332
157/8: 87, 93, 624, 649
159: 324
166: 361
Rare earth–iron compounds **157/8**: 111
Rare earth–transition metal alloys **157/8**: 225, 376
165: 161
167: 47
Rare earth–transition metal compounds **151**: 33, 115
152: 10, 70, 165, 174, L279, 341, 387
153: 5
154: 71
156: 181, 195, 243, 269
157/8: 35, 91, 107, 381, 387, 405, 409, 413, 615, 622, 627, 631, 633, 645
159: 64, 81, 352
161: 127, 177
162: 50, 103, 162, 167, 253, 265, 301, 314, 343
163: 87, 125, 221, 353
164: L1, 175, 183, 197, 305, 371
166: 133, 149, 207, 216, 237, 249, 355, 365
167: 245
168: 161, 182, 278
169: 123, 130, 193
170: 179, 184, 219
– interstitial carbides **159**: 71
163: 193
– interstitial hydrides **159**: 71
170: 189
– interstitial nitrides **152**: 396
157/8: 510
159: 71
163: 109, 373
168: 149
169: 82, 135
170: 331
Rare earth–transition metal magnets **157/8**: 373

Ratio error **157/8**: 444
Re-entrant phenomena **159**: L39
166: 179
170: 49
Reactive sputtering **156**: 311
Recoil curves **157/8**: 529
Recrystallization **157/8**: 453
Reflection electron microscopy **156**: 35
165: 280
Reflectometry **156**: 55, 411
Reheating temperature **160**: 98
Relaxation **152**: 54, 91
159: 125
164: 143
166: 124, 179
168: 182, 213
– magnetic **156**: 135
– magnetization **161**: 209
– NMR **161**: 57
– spatial dispersion **155**: 46
– spin–lattice **159**: 166
– spin–spin **159**: 166
Relaxation process **156**: 413
157/8: 585
Relaxation time **153**: 124
157/8: 657
Reluctivity tensor **160**: 73
Remagnetization processes **161**: 337
Remanence **152**: 383
153: 35
154: 279
155: 182
157/8: 105
161: 287
162: 355
163: 243
166: 165
169: 193
– angular **155**: 292
– negative **163**: 27
– rotational **155**: 25
Remanence curves **155**: 120
Remanence enhancement **157/8**: 7, 11, 27, 61, 79, 331
Remanence state **155**: 98
Remanent coercivity **161**: 376
Remanent polarization **157/8**: 19
Reorientation transition **156**: 423
165: 508
Residual magnetism **160**: 177
Resistivity **151**: 363
152: 375
154: 24, 175, 296, 339
156: 357, 397
157/8: 260, 637, 665
159: 192
160: 297
161: 195
162: 277
165: 342
166: 65
169: 303
– ac **157/8**: 469
– dc **153**: 347
– electrical **154**: 107
164: L13
– field dependent **151**: 411
152: L5
– temperature dependent **151**: 411
154: 37
Resonance **153**: 50
– ferromagnetic **151**: 54
152: L1, 27
154: L291
155: 37, 57, 126, 199
162: 319, 338
– gyromagnetic **163**: 216
– lineshape **154**: L291
Reversal mechanism **162**: 239
168: 321
Reversible processes **160**: 87
RHEED **156**: 73
165: 301
166: 27
170: 67
Rheology **154**: 279
Ribbons **169**: 303
Ring magnets **157/8**: 41
RKKY interaction **167**: 161
Robotics **157/8**: 436
Rocking curve **155**: 225
Rolling **157/8**: 459
Roughening transition **156**: 133
Roughness **156**: 51, 133, 137, 229
Rutherford back-scattering **156**: 17

's-d' model **164**: 147
Sandwich structure **167**: 209
Sandwiches **154**: 17, 160
156: 335, 371
Scaling **159**: 406
Scaling behavior **152**: 54
Scaling theory **152**: 293
Scanning electron microscopy **153**: 215
157/8: 95, 611
159: 147
160: 189
169: 69, 135
– SEMPA **165**: 258
Scanning Kerr effect microscopy **159**: 395
Scanning near-field optical microscopy **165**: 398
Scanning tunneling microscope topography **165**: 216

Scanning tunneling microscopy **156**: 104
157/8: 303, 545
165: 82, 195, 224, 439
Scanning tunneling spectroscopy **165**: 82
Scattering
– interface **151**: 369
– spin dependent **151**: 324, 341, 354
156: 329
159: 103
Scattering length **156**: 329
Scattering theory **165**: 185
Second harmonic generation **156**: 213
157/8: 307
165: 421
Second harmonic resonance **164**: 390
Secondary recrystallization **160**: 98, 127, 131
Segregation **165**: 417
Self-assembly **156**: 151
Self-diffusion **156**: 411
Self-interaction correction **153**: 323
Semiconductor
– narrow-gap **157/8**: 637, 715
Semiconductors **153**: 124
156: 148
157/8: 563
169: 289
– ferromagnetic **154**: 351
– granular **169**: 261
– magnetic **152**: 159
169: 261
– semimagnetic **161**: 282
169: 151
– spacer **165**: 149
Semimetal/semiconductor heterostructures **156**: 276
Sendust alloy **163**: 397
Sensors **157/8**: 449
160: 199
165: 104
– magnetic **160**: 197
– magnetoelastic **160**: 233
– magnetoresistive **160**: 162
165: 524
– special **160**: 77
Separation **169**: 220
Sheet testers **160**: 65, 119, 171, 174, 177, 180, 183
Shliomis volume **159**: 367
Short-range order **151**: 305
152: 317
153: 195
157/8: 220, 563
168: 299
– atomic **162**: 189
Shultz method **161**: 287
Signal-to-noise ratio **155**: 60
161: 379
Silicon steel **157/8**: 453, 527
160: 109, 315
– non-oriented **160**: 133, 149
Silicon steel sheets **157/8**: 457
Silicon technology **165**: 349
Siliconizing **160**: 109
Simulation **155**: 117, 341, 379
157/8: 565, 673
166: 315
168: 9
170: 81
– media **155**: 13
– Monte Carlo **155**: 367
Single crystals **157/8**: 637, 675
159: L39
163: 87, 199
166: 133, 172, 231
167: 52, 249
168: 316
170: 155
Single phase motors **160**: 75
Single-crystal growth **157/8**: 611
Singular point detection **157/8**: 573
164: L1
166: 355
Sintered magnets **157/8**: 67
Sintered powders **163**: 397
Site preference **159**: 345
Size effect **164**: 241
165: 326
Size quantization **156**: 276
Skin effect **157/8**: 137
165: 125
Small particles **157/8**: 351, 599, 725
159: 227
162: 85
Soda borate glasses **157/8**: 163
Soft ferromagnetic material **167**: 264
Soft ferromagnetic nanocomposites **157/8**: 215
Soft magnetic materials **157/8**: 193, 209, 227, 432, 467, 519, 555
162: 95
163: 75
165: 363
170: 211
Soft magnetic properties **152**: 365
153: 315
161: 397
Soft magnetic thin films **157/8**: 557
Sol–gel method **164**: 241
168: 196
Solid solution **161**: 157, 239
Solid state reaction **156**: 417
160: 351

Solitons **156**: 205
Spatial chaos **159**: 381
Spatial structure **157/8**: 595
Spatial temperature gradient **155**: 379
Specific heat **151**: 225
152: 165
153: 135
154: 339
157/8: 401, 403, 409, 583, 601, 613, 649, 663
159: 223
162: 314
163: 103, 322, 365
167: 52
170: L248
– low-temperature **154**: 127
157/8: 491
Spectral response **157/8**: 577
Spectrometer **154**: 119
Spectroscopic splitting factor **157/8**: 237
Spectroscopy
– appearance potential **152**: 287
– inverse photoemission **156**: 107
– Mössbauer effect **151**: L19
– optical **151**: 87
Spectrum analyzer **157/8**: 449
Sperimagnetic materials **169**: 350
Spin accumulation **156**: 321
Spin arrangement **159**: 324
164: 183
Spin cluster **152**: 317
166: 349
Spin configuration **168**: 94
Spin correlation functions **152**: 311
Spin correlations **154**: 369
157/8: 421
Spin density
– valence electron **154**: 96
Spin density waves **152**: 86
157/8: 653
159: L23
165: 462
Spin diffusion **151**: 388
170: L1
Spin diffusion length **165**: 115
Spin disorder
– scattering **151**: 411
Spin dynamics **163**: L5
Spin filter **168**: 249
Spin flip **159**: 179
Spin fluctuation temperature **157/8**: 677
Spin fluctuations **153**: 107
157/8: 615, 627, 629, 631, 633, 696, 711, 721
168: 182
Spin glass **151**: 155, 225, 305
154: 59
156: 235
157/8: 272, 475, 606, 619, 673, 713
159: L23, 125
160: 382
161: 209
162: 55
166: 179
168: 213, L237
169: 289
170: 168
– behavior **152**: 129, L279
– re-entrance **166**: 349
170: 129
– re-entrant **152**: 317
154: 107
157/8: 475
162: 189, 247
163: 277
Spin Hamiltonian **157/8**: 523
Spin injection **156**: 321
Spin ordering **159**: 375
Spin polarization **151**: 374, 403, 417
156: 47, 58, 199
161: 184
168: 55
Spin polarization energy **157/8**: 717
Spin polarized electron microscopy **156**: 1
Spin polarized electron spectroscopy **152**: 287
159: 103
Spin polarized metastable deexcitation spectroscopy **165**: 230
Spin polarized neutron reflectometry **156**: 53, 55, 58
Spin relaxation **152**: 183
156: 321
Spin reorientation **151**: 111, 181
152: 75
153: 329
157/8: 21, 659
162: 301
170: 285
Spin reorientation temperatures **162**: 103
Spin reorientation transitions **154**: 71
157/8: 371
165: 74
Spin resolved photoelectron spectroscopy **161**: L11, 70
165: 250
Spin rotation **168**: 285
Spin scattering asymmetry **156**: 377
Spin state **157/8**: 595
Spin structure **170**: 189
– non-collinear **151**: L1
– triangular **157/8**: 733

Spin switch **165**: 115
170: L1
Spin system
– localized **163**: 153
Spin texture **167**: 241
Spin transistor **156**: 321
Spin valve **156**: 53, 63, 121, 299, 301, 329, 365, 405
161: 65
164: 43
165: 108, 111, 308, 479
168: L233
170: L1
Spin valve effect **159**: 233
165: 312
Spin wave excitations **157/8**: 237
165: 383
Spin wave propagation **161**: 199
Spin wave relaxation **161**: 275
Spin wave stiffness constant **157/8**: 233
Spin waves **159**: 211
161: 199, 275
163: 70
164: 105
165: 428
166: 59
– instability **154**: L291
– linewidth **163**: 164
– pulse **164**: 172
– resonance **156**: 241
163: 207
164: 53
170: 22, 129
– spectrum **157/8**: 482
159: 211
– theory **152**: 139
164: 66
Spin–lattice relaxation **157/8**: 681
Spin–orbit coupling **159**: 337
Spin–orbit interaction **151**: 263
154: 245
163: 80
Spin–spin interaction **163**: 80
Spin-flop phase **154**: 119
Spin-glass-like behaviour **157/8**: 581
Spin-Peierls **157/8**: 550
Spin-valve magnetoresistive effect **157/8**: 285
Spinel **157/8**: 258
166: 172
168: 129
– ferrimagnetic **167**: 269
Spinel structure **159**: 375
Spinodal decomposition **152**: 213
156: 279
Spring magnets **166**: 243
Sputter deposition **156**: 63, 89, 261, 311, 399
165: 431
Sputtering **155**: 154, 157, 348
159: 238
162: 183, 202
164: 61
170: 74
– dc **157/8**: 461
161: 43
162: 131
166: 283
– facing targets **155**: 225, 231
– negative bias **155**: 206
– reactive **165**: 141
– rf **151**: 87
152: L1
154: 175
159: 175, 233
162: 177
164: 18
166: 283
168: 1, 15
– ultra clean **155**: 172, 234, 238
Sputtering pressure **163**: 232
– magnetron **163**: 32
– thin film **163**: 8
SQUID **151**: 305
154: 355
155: 355
157/8: 317, 571
159: L23
162: 1, 167, 183, 338
163: 21
164: 233
166: 45
SQUID magnetometry **156**: 58
SQUID susceptometry **157/8**: 561
Stability **156**: 415
Staircase voltage **160**: 185
Static magnetic fields
– biological effects **157/8**: 593
Statistical domains **157/8**: 361
Statistical theory **157/8**: 421
Steel **157/8**: 571
162: 280
Steric stabilization
– model polymers **155**: 73
Stiffness constant **154**: 54
Stochastic processes **157/8**: 353
Stoichiometric analysis **165**: 401
Stoichiometry **157/8**: 268
Stoner enhancement factor **157/8**: 702, 711
Stoner–Wohlfarth model **155**: 22
163: 299
Strain **165**: 475
166: 165
Stray field **168**: 121

Stray field energy **157/8**: 467
Stray flux **160**: 203
Stress **156**: 31, 309, 407, 419
162: 355
– compressive **160**: 57
– external **153**: 231
– internal **152**: 226, 231, 326, 365
– magnetization curve **160**: 59
Stress anisotropy **159**: 331
Stress annealing **157/8**: 519
Stress dependence **157/8**: 203
Stress effects **153**: 63, 231, 389
Stress relaxation **156**: 407
160: 291
Stripe domains **156**: 423
Strontium ferrites **157/8**: 123
Structural analysis **156**: 38, 224, 371
157/8: 220
Structural characterization **165**: 334
Structural relaxation **156**: 407
Structure **152**: 22, 159, 396
157/8: 33, 173
165: 1, 137, 185, 224, 292
166: 91
168: 1
– columnar **154**: 17
– helical antiferromagnetic **156**: 184
– irregular **155**: 28
– modulated **154**: 29
– oxide layer **162**: 377
– ripple **163**: 285
Structure calculations **165**: 62
Structure factors
– dynamic **162**: 219
Submicron **156**: 123
Submicron structure **165**: 500, 504
Substitution effects **152**: 219, 383, 387, 396
153: L1, 235, 332
159: L309, 357
160: 284
161: 157
163: L251, 339
167: L179, 237, 245
168: 31
Substrate
– bulk ferromagnetic **169**: 1
Substrate interaction **154**: 213
Substrate surface **155**: 172
Superconducting materials **157/8**: 550
Superconductivity **156**: 123
157/8: 571
Superconductors **151**: 246
153: 135, 311
154: 339
157/8: 440, 704
166: 124
167: 99
– re-entrant **153**: 97
Superexchange **151**: 67
154: 37
163: 173
166: 172
168: 292
Superexchange interaction **165**: 465
Superferromagnetism **159**: L33
Superlattice period **159**: 90
Superlattices **152**: L282
165: 87, 220, 450
170: 57, 67, 95, L243
– magnetic **156**: 186
– rare earth **156**: 141, 181, 263, 421
157/8: 539
Supermodulus effect **156**: 279
Superparamagnet **165**: 38
Superparamagnetism **154**: 59
156: 77
157/8: 191, 272
159: 119
161: 143
162: 29, 331
163: 184
164: 143
165: 326
166: 82
167: 129
168: 64
169: 261
Supported clusters **165**: 272
Surface **157/8**: 514
165: 137, 195, 254
167: 166
169: 105
– magnetic properties **157/8**: 159
160: 157, 333
Surface crystallization **169**: 98
Surface effect **165**: 265
Surface energy **155**: 332
Surface erasure effect **155**: 276
Surface impedance **165**: 125
Surface magnetism **153**: 366
156: 202
163: 137
165: 230
167: 21
168: 105, 243, 249, 257
Surface multilayer relaxation **161**: 89
Surface oxide layer **164**: 401
Surface region **161**: 139
Surface relaxation **156**: 85
Surface roughness **156**: 199, 202
157/8: 274
163: 207
165: 394
Surface stability **170**: 309

Surface state **156**: 85
Surface states **161**: L11
Surface structure **156**: 85, 202
165: 242, 439
Surface treatment **155**: 60
160: 287
Surface waves **152**: L282
159: L45
Susceptibility **152**: 116, 139, 183, 375
153: 107, 224, 235, 347, 379
154: 339
157/8: 165, 177, 411, 421, 585, 615, 631, 633, 696
159: 135, 192
161: 127, 157, 169, 181, 231
162: 230, 247
163: 173
164: L13, 154, 225, 233, 345
166: 53, 82, 117, 141, 172, 211
167: 269, 274
168: 129, 139, L237, 269
169: 151
170: 143, 155, 168, 228, L248
– ac **152**: 86
157/8: 272
159: 142, 159, 223
162: 60, 103, 331
164: 241
166: 179, 231, 283, 334
167: 254
168: 309
169: 135, 323
170: L17
– complex **162**: 319
163: 216
164: 133
– dc **153**: 366
154: 83
157/8: 627
159: 142
162: 331
164: 241
166: 231
– differential **153**: 231
– field dependent **152**: 293
– high field **153**: 28
154: 54
162: 189
164: 327
– initial **152**: 311
154: 231, 249
159: 269, L309
– irreversible **153**: 302
157/8: 63
168: 169
– linear **154**: 59
– magnetic **151**: 273
155: 55
159: L23
– maximum **157/8**: 617
– nonlinear **154**: 59
163: 277
– paramagnetic **153**: 17, 241
– rf **154**: 351
– temperature dependent **153**: 241
154: 59, 127, 193
159: L39
163: 365
– transverse **152**: 17, 311
155: 123
170: 298
Switching **155**: 107
– high speed **155**: 6
Switching field **151**: 38
154: 263, 279
155: 182
157/8: 369
162: 211, 355, 362
166: 186
168: 177, 336
Switching field distribution **161**: 376
Switching mode **155**: 16
Switching phenomena **159**: L1
Switching speed **155**: 126
Switching volume **161**: 323
Symmetry **156**: 165
Synthesis **157/8**: 125

TEA CO_2 laser **157/8**: 531
Temperature dependence **167**: 12
Tensile stress **160**: 57
162: 43
163: 132
169: 89, 207
Tension **157/8**: 459
Tensor **169**: 199
Tensorial tomography **157/8**: 575
Terfenol-D **157/8**: 508
Ternary compounds **151**: 102
Testing device **160**: 165
Tetragonal distortion **157/8**: 343
Texture **151**: 259
154: 12
155: 129, 168, 182, 253
156: 19
157/8: 57

159: 282
160: 102, 133
161: 287
162: 112, 280, 291
164: 18, 300
165: 288
170: 74
– crystallographic **155**: 146
– cubic **160**: 125
– film **160**: 338
– Goss **160**: 127, 129, 143
– thin film **166**: 261
Texture determination **157/8**: 41, 43
Theory **156**: 387
Thermal conductivity **163**: 153
Thermal diffusion **169**: 220
Thermal expansion **157/8**: 629, 679
163: 117
164: 147
168: 149
170: 168
Thermal fluctuation **168**: 347
Thermal relaxation **155**: 31
Thermal stability **155**: 52
162: 202, 307, 383
165: 308, 338
Thermally activated demagnetization **157/8**: 363
Thermodynamics **153**: 115
157/8: 421
169: 335
Thermoelectric power **153**: 107
156: 247
Thermoelectric properties **160**: 239
Thermogravimetry **152**: 359
Thermomagnetic analysis **161**: 177
Thermomagnetic curve **159**: L321
Thermomagnetic relaxation **157/8**: 191
Thermomechanical treatment **157/8**: 541
160: 307
Thermopower **157/8**: 698
161: 195
Thermostimulated conduction current **160**: 361
Thickness dependence
– oscillatory **154**: L1
Thin films **151**: 173, 417
152: L1, 201, 226, 231, 253, 317, 411
154: 141, 213, 271, 296
155: 19, 40, 176, 179, 193, 219, 225, 256, 297, 306, 323, 348, 352, 358, 361, 373
156: 199, 435
157/8: 220, 245, 258, 281, 291, 309, 514, 531
159: 90, 103, 227, 269, L293, 395
160: 21, 338, 341, 345
161: L11, L17, 37, 49, 323
162: 155, 177
163: 39, 70, 393
164: 49
165: 1, 46, 70, 78, 111, 134, 153, 161, 185, 191, 216, 227, 237, 254, 258, 262, 268, 280, 297, 346, 360, 380, 398, 475, 520
166: 6, 45, 59, 65
167: 21, 27, L189
168: 9, 31, 243, 321
169: 1, 25, 31, 39
170: 57, 81, 129
– amorphous **155**: 231
159: 256
165: 414
169: 350
– amorphous alloy **165**: 411
– bilayer **151**: 231
157/8: 326
163: 232
161: 379
– composite **165**: 199
– electrodeposited **159**: L11, 201
– epitaxial **161**: 57
163: 21
165: 176, 180, 224, 242, 250
– evaporated **159**: 282
– ferrite **157/8**: 477
– ferromagnetic **153**: 151, 380
155: 57
157/8: 223
161: 70, 199
164: 66
165: 246
– granular **165**: 141, 330
168: 35
– iron **163**: 8
– iron-garnet **165**: 421
– longitudinal **155**: 28
– magnetic **151**: 259
155: 209
157/8: 274, 321
159: L27
170: 317
– magnetic garnet **161**: 22
– magnetite **165**: 439
– magneto-optical **161**: 379
– metal/semiconductor **165**: 242
– metallic **161**: 199
– monolayer **153**: 293

– multilayer **152**: 287, 305
155: 364
161: L1, 299
– nanocrystalline **161**: 316
– obliquely deposited **154**: 249
– particulate **165**: 512
– permalloy **161**: 397
165: 428
– perpendicular **155**: 206
– polycrystalline **152**: 401
– rare earth **163**: 32
164: 18
165: 168
– re-entrant **164**: 53
– sandwich **155**: 202
159: 81
165: 373, 394, 435, 442, 487
– single layer **157/8**: 326
– soft magnetic **161**: 385
– sputtered **152**: 54, 243, 265
153: 246, 389
154: 12, 175
155: 132, 168
159: 95, 256
161: L1
165: 304
168: 1
– topography **165**: 199
– trilayer **151**: 95
154: 301
165: 121, 149, 168, 202, 275, 312, 370, 465, 484, 512
– YIG **161**: 57
– YIG ferrite **157/8**: 727
Thin layers **160**: 333
Three-dimensional systems **159**: 256
Three-sublattice systems **159**: 135
Threshold **170**: 40
Tight-binding approximation **153**: 355
Tight-binding calculations **165**: 262, 265
Time effects **157/8**: 270
Time series **155**: 19
Time-dependent phenomena **157/8**: 191
Torque **155**: 292
162: 177
Torque curve **165**: 394
Torque magnetometry **153**: 17
154: 333
156: 27
162: 239
Torsion oscillation magnetometry **165**: 56
Torsion pendulum **157/8**: 25
Transformation kinetics **160**: 266
Transformer **160**: 81
– core noise **160**: 38, 205, 207
– distribution **160**: 217
– modelling **160**: 79
– separating **160**: 215
– single phase **160**: 61
– three phase amorphous **160**: 77, 210
– wound core **160**: 61, 159
Transient response **152**: 234
Transition metal **168**: 64
Transition metal alloy powder **157/8**: 235
Transition metal alloys **162**: 259
Transition metal compounds **153**: 235
164: 115
Transmission electron microscopy **151**: 24
156: 17, 19, 23, 25, 35, 281, 391
157/8: 153, 205
159: L8, 401
161: L17, 37
162: 271, 377
163: 243
164: 61
168: 222
169: 69, 303
170: 289, 339
Transport **156**: 321, 362, 399
Transport in multilayers **157/8**: 730
Transport properties **151**: 315, 363, 378, 388, 396, 411, 417
152: 109
153: 107
159: 223
162: 75
163: 21
164: 119
165: 380
168: 1
Transport theory **159**: L17
165: 100
Transverse field **161**: 148
Transverse field dependence **155**: 43
Transverse Kerr magnetometry **166**: 53
Tribology **155**: 261, 312, 318, 323, 329
Tricritical behaviour **170**: 49
Tricritical systems **151**: 45
Trilayer **156**: 128, 250, 365
Tunneling **151**: 403
156: 315
– point-contact **157/8**: 637
– resonant **156**: 276, 389
– spin dependent **156**: 311
165: 141, 153
Two-dimensional magnetism **157/8**: 721
Two-dimensional magnetization **160**: 59
Two-dimensional modelling **160**: 71

Two-dimensional systems **162**: 91, 225
166: 253
Two-phase magnets **157/8**: 129
Two-sublattice model **153**: 28
162: 107
169: 314
Two-sublattice systems **159**: 211
164: 105
168: 292
170: 184

Ultrasoft magnetic properties **165**: 284
Ultrasound **170**: 235, 285
Ultrasound absorption **156**: 394
Ultrathin films **156**: 133, 177, 233, 429
165: 62, 74, 92, 172, 417, 492, 508
Ultrathin layers **155**: 101
Upset forging **157/8**: 69
Uranium **170**: 155
Uranium intermetallics **157/8**: 694
169: 229
Uranium pseudo-binary compounds **161**: 220

V-groove **156**: 11
Vacuum arc evaporation **155**: 216
Valence determination **164**: L268
Valence state **157/8**: 688
Valet–Fert model **159**: L287
Vanadium **157/8**: 37
Vapor deposition **156**: 17
– metal–organic chemical **155**: 199
Vector diffraction theory **155**: 385
Vector magnetization measurements **157/8**: 671
Vector magnetometry **156**: 265
165: 46
Vectorial vibrating reed magnetometer **155**: 286
Vertex correction **156**: 343
Verwey transition **157/8**: 415
Vibrating sample magnetometer **157/8**: 569
162: 271
163: 87
Video recording **159**: 256
Virtual instrumentation **160**: 154
Viscosity **153**: 359
156: 407
159: 236, 367
– magnetic **152**: 411
153: 302
161: 133, 303
163: 299
– rotational **152**: 123
Visualization of magnetic domains **157/8**: 575
Volume dependence **157/8**: 694
Volume effect **154**: 201
Vortex dynamics **152**: 123
Vortex pairs **162**: 219

Wall energy **168**: 336
Wave equation **170**: 235
Wave propagation **151**: 299
Waveguide **152**: 305
Weak ferromagnet **157/8**: 419
Weak ferromagnetism **164**: 241
167: 87
Weak localization **156**: 359
Wear **155**: 318
Wigner–Seitz cell volume **162**: 162
Writing process modelling **155**: 382

X-ray **156**: 332
X-ray absorption **156**: 99
157/8: 688
X-ray absorption spectroscopy **166**: 149
X-ray diffraction **151**: 24, 102, 111, 167, 259
152: 159, 359, 370
153: 75
154: 12
156: 23, 27, 41, 49, 51, 235, 381, 391, 415
157/8: 659
159: L8, L51, 90
160: 263, 357
161: 37, 118, 177
162: 50, 117, 265, 271, 343
163: 109, 173, 243
164: L13, 99
165: 342, 520
166: 27, 45, 261, 365
167: 237
168: 149, 196
169: 135, 303
170: 57, 74, 95, 155, 331
X-ray lithography **156**: 139
165: 500
X-ray photoelectron spectroscopy **155**: 332
X-ray photoemission spectroscopy **159**: 179
X-ray reflectance **156**: 117, 271, 391
X-ray scattering **154**: 165
165: 52
– anomalous **156**: 111
– diffuse **156**: 117
X-ray spectroscopy **151**: L19
XANES **155**: 222
157/8: 595, 685
161: 31

XY model **152**: 152
157/8: 421
162: 219, 225

YIG **153**: 320
157/8: 323
YIG films **154**: 37, L291
Young's modulus **161**: 265

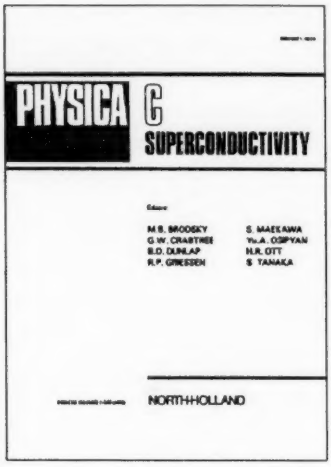
Zeeman splitting **163**: 80
Zener relaxation **157/8**: 541

Send for a Free Sample Copy!

Physica C

Superconductivity

- **One stop shopping on High T_c Superconductivity**
- **Over 12,5000 citations a year**
- **Papers receive prompt and personal attention from the editors.**
- **Included in the Electronic Service CONTENTS-Alert and CoDAS**



Editors:

M.B. Brodsky, *Argonne, IL, USA*, **G.W. Crabtree**, *Argonne, IL, USA*, **B.D. Dunlap**, *Argonne, IL, USA*, **R.P. Griessen**, *Amsterdam, The Netherlands*, **S. Maekawa**, *Sendai, Japan*, **Yu.A. Osipyan**, *Chernogolovka, Russia*, **H.R. Ott**, *Zurich, Switzerland* and **S. Tanaka**, *Tokyo, Japan*

AIMS AND SCOPE:

Serves as an exclusive, rapid channel for publications on superconductivity and related subjects. Papers on all aspects of superconductivity are published including theoretical papers on the fundamental issues raised by high-T_c superconductivity, reports on measurements of a wide variety of physical properties of high-T_c superconductors and new materials and new preparation techniques.

For:
Solid state physicists, materials scientists.

Physica C
For more information, access http://www.elsevier.nl/locate/physc

❑ Please send me a **FREE Sample Copy** including instructions to authors

Name: ..... Initials: .....
Position: ..... Title: .....
Institute/Company: .....
Department: .....
Address: .....
Post/Zip Code: ..... City: .....
Country: ..... Tel: .....
Fax: ..... E-mail address: .....

New York
Tel: (+1) 212-633-3730
[Toll Free number for North American customers: 1-888-4ES-INFO (437-4636)]
Fax: (+1) 212-633-3680
E-mail: usinfo-f@elsevier.com

Amsterdam
Tel: (+31) 20-485-3757
Fax: (+31) 20-485-3432
E-mail: nlinfo-f@elsevier.nl

Tokyo
Tel: (+81) 3-5561-5033
Fax: (+81) 3-5561-5047
E-mail: info@elsevier.co.jp

Singapore
Tel: (+65) 434-3727
Fax: (+65) 337-2230
E-mail: asiainfo@elsevier.com.sg

Please quote the following code with all requests: NA7

12/97

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS

Instructions to Authors

Submission of papers

Manuscripts (one original + two copies), should be sent to the Editor or one of the Associate Editors (see addresses on inside front cover). Contributions may also be submitted to an Advisory Editor who is familiar with the research presented, in which case one copy plus the original figures should be sent simultaneously to the Editor, A.J. Freeman. Papers for the section *Information Storage: Basic and Applied* should be submitted to one of the appropriate Editors as indicated on the inside front cover. *Letters to the Editor* should be sent, preferably by fax, either to A.J. Freeman (+1-847-491-5082) or to I.A. Campbell (+33-1-6915-8017), while the original with figures should be mailed to the Publisher (see address opposite), preferably with the source file included on disk. Letters may not exceed six pages when printed and will be given priority in both the refereeing and production processes. The faster production schedule may preclude sending proofs of letters to authors.

Original materials: Submission of a manuscript implies it is not being simultaneously considered for publication elsewhere and that the authors have obtained the necessary authority for publication.

Manuscript preparation

All manuscripts should be written in good English. The paper copies of the text should be prepared with double line spacing and wide margins, on numbered sheets. See notes opposite on the electronic version of manuscripts.

Structure: Please adhere to the following order of presentation: Article title, Author(s), Affiliation(s), Abstract, PACS codes and keywords, Main text, Acknowledgements, Appendices, References, Figure captions, Tables.

Corresponding author. The name, complete postal address, telephone and fax numbers and the e-mail address of the corresponding author should be given on the first page of the manuscript.

PACS codes/keywords. Please supply one or more relevant PACS-1995 classification codes and about 5 keywords of your own choice for indexing purposes.

References. References to other work should be consecutively numbered in the text using square brackets and listed by number in the Reference list. Please refer to recent issues for examples.

Illustrations

Illustrations should also be submitted in triplicate: one master set and two sets of copies. The *line drawings* in the master set should be original laser printer or plotter output or drawn in black india ink, with careful lettering, large enough (3–5 mm) to remain legible after reduction for printing. The *photographs* should be originals, with somewhat more contrast than is required in the printed version. They should be unmounted unless part of a composite figure. Any scale markers should be inserted on the photograph itself, not drawn below it.

Colour plates. Figures may be published in colour, if this is judged essential by the Editor. The Publisher and the author will each bear part of the exta costs involved. Further information is available from the Publisher.

After acceptance

Notification. You will be notified by the Editor of the journal of the acceptance of your article and invited to supply an electronic version of the accepted text, if this is not already available.

Copyright transfer. In the course of the production process you will be asked to transfer the copyright of the article to the Publisher. This transfer will ensure the widest possible dissemination of information.

Electronic manuscripts

The Publisher heartily welcomes the receipt of an electronic version of your accepted manuscript. If there is not already a copy of this (on diskette) with the Journal Editor at the time the manuscript is being refereed, you will be asked to send a file with the text of the accepted manuscript directly to the Publisher by e-mail or on diskette to the address given below. (When e-mailing a non-ASCII word-processor file, you should encode it, e.g. with MIME, UUENCODE or BinHex, so as to retain all formatting codes.) The name and version of the word-processing program and the type of operating system should always be indicated. Please note that no deviations from the version accepted by the Editor of the journal are permissible without the prior and explicit approval by the Editor. Such changes should be clearly indicated on an accompanying printout of the file.

Author benefits

No page charges. Publishing in the *Journal of Magnetism and Magnetic Materials* is free.

Free offprints. The corresponding author will receive 50 offprints free of charge. An offprint order form will be supplied by the Publisher for ordering any additional paid offprints.

Discount. Contributors to Elsevier Science journals are entitled to a 30% discount on all Elsevier Science books.

Further information (after acceptance)

Elsevier Science B.V.
Issue Management
Journal of Magnetism and Magnetic Materials
P.O. Box 2759, 1000 CT Amsterdam
The Netherlands
Fax: + 31 20 485 2319
e-mail: j.hogendorp@elsevier.nl

North-Holland, an imprint of Elsevier Science

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS

Master Index Vols. 151–170

CONTENTS

List of Proceedings and Special Issues published in this period 1

Author index to volumes 151–170 3

Subject index to volumes 151–170 94